

## Mitogen Activated Protein Kinase Kinase 7 (MAP2K7) Recombinant Protein | MAP2K7 recombinant protein

Recombinant Mitogen Activated Protein Kinase Kinase 7 (MAP2K7)

|                               |                       |                                               |
|-------------------------------|-----------------------|-----------------------------------------------|
| CATALOG #<br><b>AAA134002</b> | HOST<br><b>E.coli</b> | APPLICATIONS<br><b>Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------|-----------------------------------------------|

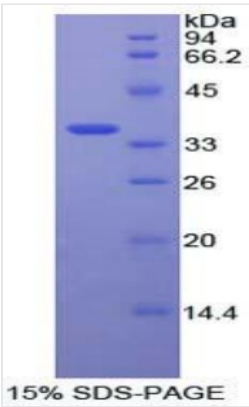
### PRODUCT SYNONYMS

Mitogen Activated Protein Kinase Kinase 7 (MAP2K7); Recombinant Mitogen Activated Protein Kinase Kinase 7 (MAP2K7); MAP2K7 recombinant protein

### PRODUCT SPECIFICATIONS

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                   | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Purity/Purification                                    | > 95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Form/Format                                            | 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Concentration                                          | Original Concentration: 200ug/mL (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Sequence                                               | YQAEINDLEN LGEMSGSTCG QVWKMRFRKT GHVIAVKQMR RSGNKEENKR ILMDLDVVLK SHDCPYIVQC<br>FGTFITNTDV FIAMELMGTC AEKLKRMQG PIPERILGKM TVAIVKALYY LKEKHGVIHR DVKPSNILLD<br>ERGQIKLCDF GISGRLVDSK AKTRSAGCAA YMAPERIDPP DPTKPDYDIR ADVWSLGLSL VELATGQFPY<br>KNCKTDFEVL TKVLQEEPL LPGHMGFSGD FQSFVKDCLT KDHRKRPKYN KLEHSFIKR YETLEV                                                                                                                                                                         |
| Sequence Length                                        | 419                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Applicable Applications for MAP2K7 recombinant protein | WB (Western Blot), SDS-PAGE, Immunogen, Positive Control                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Organism Species                                       | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Source                                                 | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Residues                                               | Tyr113~Val388                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Tags                                                   | N-terminal His Tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Subcellular Location                                   | Nucleus, Cytoplasm                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Traits                                                 | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Predicted isoelectric point                            | 9.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Usage                                                  | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                                                                                                                                                                             |
| Preparation and Storage                                | <p>Storage: Avoid repeated freeze/thaw cycles.<br/>Store at 2-8°C for one month.<br/>Aliquot and store at -80°C for 12 months.</p> <p>Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.</p> |

IMAGES



SDS-PAGE

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 21735544                                                                                                                                                                                                                                       |
| NCBI GeneID                      | 5609                                                                                                                                                                                                                                           |
| NCBI Accession #                 | NP_660186.1                                                                                                                                                                                                                                    |
| NCBI GenBank Nucleotide #        | NM_145185.2                                                                                                                                                                                                                                    |
| UniProt Accession #              | O14733; O14648; O14816; O60452; O60453; Q1PG43; Q8IY10; B2R9S5; D6W659                                                                                                                                                                         |
| Molecular Weight                 | Predicted Molecular Mass: 35.2kDa<br>Accurate Molecular Mass: 35kDa as determined by SDS-PAGE reducing conditions.                                                                                                                             |
| NCBI Official Full Name          | dual specificity mitogen-activated protein kinase kinase 7                                                                                                                                                                                     |
| NCBI Official Synonym Full Names | mitogen-activated protein kinase kinase 7                                                                                                                                                                                                      |
| NCBI Official Symbol             | MAP2K7                                                                                                                                                                                                                                         |
| NCBI Official Synonym Symbols    | MKK7; Jnk2; MAPKK7; PRKMK7; SAPKK4; SAPKK-4                                                                                                                                                                                                    |
| NCBI Protein Information         | dual specificity mitogen-activated protein kinase kinase 7; MEK 7; JNKK 2; MAPKK 7; SAPK kinase 4; MAPK/ERK kinase 7; MAP kinase kinase 7; JNK-activating kinase 2; c-Jun N-terminal kinase kinase 2; stress-activated protein kinase kinase 4 |
| UniProt Protein Name             | Dual specificity mitogen-activated protein kinase kinase 7                                                                                                                                                                                     |
| UniProt Gene Name                | MAP2K7                                                                                                                                                                                                                                         |
| UniProt Synonym Gene Names       | JNKK2; MEK7; MKK7; PRKMK7; SKK4; MAP kinase kinase 7; MAPKK 7; MEK 7; SAPK kinase 4; SAPKK-4; SAPKK4; JNK kinase 2; JNKK 2                                                                                                                     |
| UniProt Entry Name               | MP2K7_HUMAN                                                                                                                                                                                                                                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/map2k7-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/134002>