

## ERK7 (MAPK15) Recombinant Protein | ERK7 recombinant protein

ERK7 (MAPK15), Active

|                              |                                 |                                     |
|------------------------------|---------------------------------|-------------------------------------|
| CATALOG #<br><b>AAA73682</b> | HOST<br><b>Sf9 insect cells</b> | APPLICATIONS<br><b>Western Blot</b> |
|------------------------------|---------------------------------|-------------------------------------|

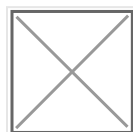
### PRODUCT SYNONYMS

ERK7 (MAPK15); Active; MAPK15; ERK7; ERK8; ERK7 recombinant protein

### PRODUCT SPECIFICATIONS

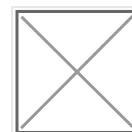
|                                                      |                                                                                                                                                                                                                                                |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                 | Sf9 insect cells                                                                                                                                                                                                                               |
| Form/Format                                          | Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.                                                                                                            |
| Applicable Applications for ERK7 recombinant protein | WB (Western Blot), Kinase Assay                                                                                                                                                                                                                |
| Tag                                                  | GST                                                                                                                                                                                                                                            |
| Species                                              | Mouse                                                                                                                                                                                                                                          |
| Dry Ice Note                                         | The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.                                                                                                                                             |
| Preparation and Storage                              | Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles. |

### IMAGES



#### SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



#### Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

### ADDITIONAL INFORMATION

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for ERK7 recombinant protein | Recombinant full-length mouse ERK7 (MAPK15) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is BC048082.<br>ERK8 as a distinct member of the MAPK family that is activated by a Src-dependent signaling pathway, involved in control of its cellular localization by nuclear exclusion, and suggest a key role for this MAP kinase in the regulation of the biological activities of this nuclear receptor (1). ERK8 plays an important role in the response to, or repair of, DNA single strand breaks (2). |
| Product Categories/Family for ERK7 recombinant protein   | <a href="#">Protein Kinases</a> ; <a href="#">Angiogenesis</a> ; <a href="#">Apoptosis/Autophagy</a> ; <a href="#">Cancer</a> ; <a href="#">Cardiovascular Disease</a> ; <a href="#">ERK/MAPK Pathway</a> ; <a href="#">Invasion/Metastasis</a> ; <a href="#">Neurobiology</a> ; <a href="#">Ser/Thr Kinases</a>                                                                                                                                                                                                                                                     |
| References                                               | 1. Rossi.M.et.al: Extracellular signal-regulated kinase 8 (ERK8) controls estrogen-related receptor alpha (ERRalpha) cellular localization and inhibits its transcriptional activity. J Biol Chem. 2011 Mar 11;286(10):8507-22.<br>2. Iva V. Klevernic. Et.al: Regulation of the activity and expression of ERK8 by DNA damage. Science direct. January 12, 2009.                                                                                                                                                                                                    |

NCBI AND UNIPROT INFORMATION

|                  |        |
|------------------|--------|
| Molecular Weight | ~86kDa |
|------------------|--------|

**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.

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Online datasheet: <https://stage.aaabiotech.com/erk7-mapk15-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73682>