

## JNK2 recombinant protein

JNK2, Active

|                              |                                                   |                                     |
|------------------------------|---------------------------------------------------|-------------------------------------|
| CATALOG #<br><b>AAA73020</b> | HOST<br><b>Sf9 insect cells using baculovirus</b> | APPLICATIONS<br><b>Western Blot</b> |
|------------------------------|---------------------------------------------------|-------------------------------------|

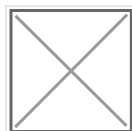
### PRODUCT SYNONYMS

JNK2; Active; JNK2 recombinant protein

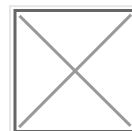
### PRODUCT SPECIFICATIONS

|                                                      |                                                                                                                                                                                                                                                      |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                 | Sf9 insect cells using baculovirus                                                                                                                                                                                                                   |
| Form/Format                                          | 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.                                                                                                                                               |
| Sequence Positions                                   | Full Length                                                                                                                                                                                                                                          |
| Sequence Length                                      | 4341                                                                                                                                                                                                                                                 |
| Applicable Applications for JNK2 recombinant protein | WB (Western Blot), Kinase Assay                                                                                                                                                                                                                      |
| Species                                              | Human                                                                                                                                                                                                                                                |
| Tag                                                  | GST tag                                                                                                                                                                                                                                              |
| 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.<br>For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature.<br>For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles. |

### IMAGES



Application Data



Application Data

### ADDITIONAL INFORMATION

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for JNK2 recombinant protein | <p>Description: Recombinant full-length human JNK2 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.</p> <p>Scientific Background: JNK2 is a member of the JNK family that acts as an integration point for multiple biochemical signals and is involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. JNK2 targets specific transcription factors, and mediates immediate-early gene expression in response to various cell stimuli. Both UV radiation and the proinflammatory cytokine TNFalpha can induce JNK2. JNK2 play a main role in the regulation of regional specific apoptosis (1) during early brain development and providing protection against autoimmune diabetes (2).</p> |
| Product Categories/Family for JNK2 recombinant protein   | Enzymes; Active Kinases                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

|            |                                                                                                                                                                                                                                                                                                                                                      |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| References | 1. Kuan, C. et.al: The Jnk1 and Jnk2 protein kinases are required for regional specific apoptosis during early brain development. Neuron 22: 667-676, 1999. 2. Jaeschke, A. et.al: Disruption of the Jnk2 (Mapk9) gene reduces destructive insulinitis and diabetes in a mouse model of type I diabetes. Proc. Nat. Acad. Sci. 102: 6931-6935, 2005. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                           |
|----------------------------------|-------------------------------------------------------------------------------------------|
| NCBI GI #                        | 205277408                                                                                 |
| NCBI GeneID                      | 5601                                                                                      |
| NCBI Accession #                 | NM_139069.2                                                                               |
| NCBI GenBank Nucleotide #        | NM_139069                                                                                 |
| Molecular Weight                 | ~70 kDa                                                                                   |
| NCBI Official Full Name          | Homo sapiens mitogen-activated protein kinase 9 (MAPK9), transcript variant JNK2-b1, mRNA |
| NCBI Official Synonym Full Names | mitogen-activated protein kinase 9                                                        |
| NCBI Official Symbol             | MAPK9                                                                                     |
| NCBI Official Synonym Symbols    | JNK2; SAPK; p54a; JNK2A; JNK2B; PRKM9; JNK-55; SAPK1a; JNK2BETA; p54aSAPK; JNK2ALPHA      |
| NCBI Protein Information         | mitogen-activated protein kinase 9                                                        |
| UniProt Protein Name             | Mitogen-activated protein kinase 9                                                        |
| UniProt Gene Name                | <b>MAPK9</b>                                                                              |
| UniProt Synonym Gene Names       | JNK2; PRKM9; SAPK1A; MAP kinase 9; MAPK 9; SAPK1a                                         |

**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/mapk9-recombinant-protein-sf9-insect-cells-using-baculovirus-wb-western-blot-kinase-assay/73020>