

DUSP22 (MKPX) Recombinant Protein | DUSP22 recombinant protein

DUSP22 (MKPX), Active

CATALOG # AAA73410	HOST E Coli	APPLICATIONS Western Blot
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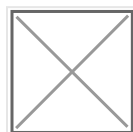
PRODUCT SYNONYMS

DUSP22 (MKPX); Active; VHX; JKAP; JSP1; MKPX; DUSP22 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Form/Format	Recombinant protein stored in 20mM MOPS, pH7.5, 50mM NaCl, 10mM glutathione, 0.25mM DTT, 0.1mM PMSF, 30% glycerol.
Applicable Applications for DUSP22 recombinant protein	WB (Western Blot), Phosphatase Assay
Tag	GST
Species	Human
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 Enzyme Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for DUSP22 recombinant protein	Recombinant full length human DUSP22 was expressed in E Coli cells using an N-terminal GST tag. The gene accession number is NM_020185. Dual specificity phosphatases (DUSP) family, which can dephosphorylate both phosphoserine/threonine and phosphotyrosine residues, comprise of two subgroups: "typical" DUSP (include 11 MKPs that dephosphorylate the mitogen-activated protein kinases Erk, Jnk, and p38 at their dually phosphorylated TXY activation loop motif) and "atypical" DUSP (include 8 enzymes that lack specific MAP kinase-targeting motifs and tend to be much smaller proteins, which are less than 250 amino acid residues)(1). DUSP22, also called JKAP, JSP1 and MKPX plays a role in various inflammatory and proliferative disorders associated with dysfunctional Jnk signaling (2).
Product Categories/Family for DUSP22 recombinant protein	Phosphatases ; Apoptosis/Autophagy ; Cardiovascular Disease ; Cellular Stress ; Inflammation ; JNK/SAPK Pathway ; Neurobiology ; NfκB Pathway ; Phosphatases
References	1. Andres, A. et al: VHY, a novel myristoylated testis-restricted dual specificity protein phosphatase related to VHX. J Biol Chem. 2004 Jul 30; 279(31): 32586-91. Epub 2004 May 11. 2. Shen, Y. et al: Activation of the Jnk signaling pathway by a dual-specificity phosphatase, JSP-1. Proc Natl Acad Sci U S A. 2001 Nov 20; 98(24): 13613-8.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_020185
Molecular Weight	~43kDa

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/dusp22-mkpx-recombinant-protein-e-coli-wb-western-blot-phosphatase-assay/73410>