

Recombinant human MKPX/DUSP22 protein

Catalog Number: ATGP2684

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-184aa

UniProt No.

Q9NRW4

NCBI Accession No.

NP_064570

Alternative Names

Dual specificity phosphatase 22, JKAP, JSP1, LMWDSP2, MKPX, VHX, JNK-stimulatory phosphatase-1, Low molecular weight dual specificity phosphatase 2, LMW-DSP2, Mitogen-activated protein kinase phosphatase x, MAP kinase phosphatase x, MKP-x

PRODUCT SPECIFICATION

Molecular Weight

23.3 kDa (207aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

DuSP22 belongs to the protein-tyrosine phosphatase family and contains 1 tyrosine-protein phosphatase domain. This protein activates the Jnk signaling pathway and dephosphorylates and deactivates p38 and stress-activated protein kinase/c-Jun N-terminal kinase (SAPK/JNK). Recombinant human DuSP22 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

MGSSHHHHHH SSSLVPRGSH MGSMGNGMNK ILPGLYIGNF KDARDAEQLS KKNVTHILSV HDSARPMLEG VKYLCIPAAD
SPSQNLTRHF KESIKFIHEC RLRGESCLVH CLAGVSRVT LVIAYIMTVT DFGWEDALHT VRAGRSCANP NVGFQRQLQE
FEKHEVHQYR QWLKEEYGES PLQDAEEAKN ILAAPGILKF WAFLRRL

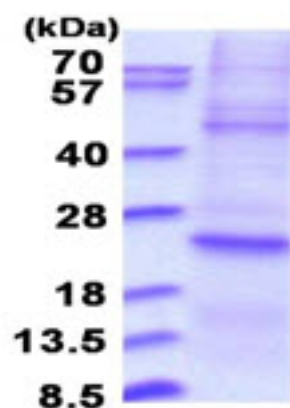
General References

Shen Y., et al. (2001) Proc. Natl. Acad. Sci. u.S.A. 98:13613-13618

Schwertassek u., et al. (2010) FEBS J. 277:2463-2473

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)