

Recombinant human DUSP23 protein

Catalog Number: ATGP1297

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-150aa

UniProt No.

Q9BVJ7

NCBI Accession No.

NP_060293

Alternative Names

Dual specificity protein phosphatase 23, DuSP25, LDP-3, MOSP, VHZ, Low molecular mass dual specificity phosphatase 3, VH1-like phosphatase Z

PRODUCT SPECIFICATION

Molecular Weight

18.8 kDa (170aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 10% glycerol, 100mM NaCl

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

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

DuSP23, also known as low molecular mass dual specificity phosphatase 3 (LDP-3), belongs to the protein-tyrosine phosphatase family. This protein is a protein phosphatase that mediates dephosphorylation of proteins phosphorylated on Tyr and Ser/Thr residues. In vitro, it can dephosphorylate p44-ERK1 (MAPK3) but not p54 SAPK-beta (MAPK10) in vitro. This protein able to enhance activation of JNK and p38 (MAPK14). Recombinant human DuSP23 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using

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conventional chromatography techniques.

Amino acid Sequence

MGSSHHHHHHH SSGLVPRGSH MGVQPPNFSW VLPGRLAGLA LPRLPAHYQF LLDLGVRHLV SLTERGPPHS DSCPGLTLHR
LRIPDFCPPA PDQIDRFVQI VDEANARGEA VGVHICALGFG RTGTMLACYL VKERGLAAGD AIAEIRRLRP GSIETYEQEK
AVFQFYQRTK

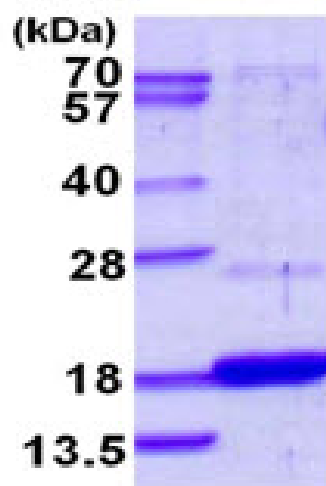
General References

Alonso A., et al. (2004) J. Biol. Chem. 279:35768-35774

Wu Q, et al. (2004) Int J Biochem Cell Biol. 36(8):1542-53.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)