

DUSP23, human recombinant

CATALOG #: 7817-50 50 µg

ALTERNATE NAMES: Dual specificity protein phosphatase 23, DUSP25, LDP-3, MOSP, VHZ

SOURCE: E. Coli

PURITY: > 90% by SDS - PAGE

MOL. WEIGHT: 18.8 kDa (170 aa, 1-150 aa + His Tag)

FORM: Liquid

FORMULATION: 1 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 100 mM NaCl and 2 mM DTT

STORAGE CONDITIONS:

Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

DESCRIPTION:

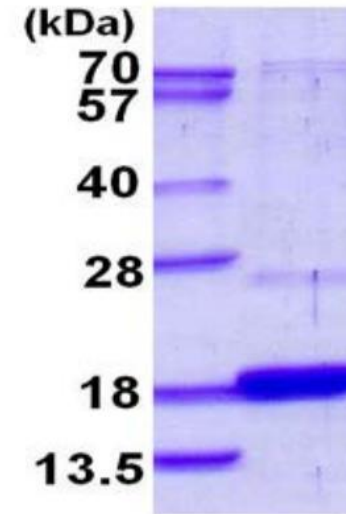
DuSP23, also known as low molecular mass dual specificity phosphatase 3(LDP-3), belongs to the protein-tyrosine phosphatase family. This protein is a protein phosphatase that mediates dephosphorylation of proteins phosphorylated on Tyr and Ser/Thr residues. In vitro, it can dephosphorylate p44-ERK1 (MAPK3) 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 conventional chromatography techniques.

AMINO ACID SEQUENCE:

MGSSHHHHHHH SSSLVPRGSH MGVQPPNFSW VLPGRLAGLA LPRLPAHYQF
 LLDLGVRLHV SLTERGPPHS DSCPGLTLHR LRIPDFCPPA PDQIDRFVQI VDEANARGEA
 VGVHICALGFG RTGTMLACYL VKERGLAAGD AIAEIRLRP GSIETYEQEK AVFQFYQRTK

BIOLOGICAL ACTIVITY:

Specific activity is > 320 unit/mg. Enzymatic activity was confirmed by measuring the amount of enzyme hydrolyzing 1 nmole of p-nitrophenyl phosphate (pNPP) per minute at 37°C, pH7.5



15% SDS-PAGE (3µg)

Human Recombinant DUSP21

RELATED PRODUCTS:

- DUSP3, human recombinant (Cat. No. 6371-100)
- DUSP10, human recombinant (Cat. No. 7814-50)
- DUSP18, human recombinant (Cat. No. 7815-50)
- DUSP21, human recombinant (Cat. No. 7816-50)

FOR RESEARCH USE ONLY! Not to be used in humans.

