

Recombinant Human Dual Specificity Phosphatase 23, His-tagged

Cat. No. DUSP23-1538H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human DUSP23 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	Human
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).
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 10% glycerol, 100mM NaCl
Molecular Weight	18.8kDa (170aa), confirmed by MALDI-TOF
Purity	> 90% by SDS - PAGE
Concentration	1mg/ml (determined by Bradford assay)
Sequences of amino	MGSSHHHHHH SSGLVPRGSH MGVPNNFSW VLPGRLAGLA LPRLPAHYQF

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acids

LLDLGVRHLV SLTERGPPHS DSCPGLTLHR LRIPDFCPPA PDQIDRFVQI
 VDEANARGEA VGVHICALGFG RTGTMLACYL VKERGLAAGD AIAEIRRLRP
 GSIETYEQEK AVFQFYQRTK

Storage

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.

GENE INFORMATION

Gene Name DUSP23 dual specificity phosphatase 23 [Homo sapiens]

Official Symbol DUSP23

Synonyms

DUSP23; VHZ; MOSP; LDP-3; DUSP25; FLJ20442; RP11-190A12.1; dual specificity protein phosphatase 23; VH1-like member Z; OTTHUMP00000024412; OTTHUMP00000024413; VH1-like phosphatase Z; low molecular mass dual specificity phosphatase 3; low-molecular-mass dual-specificity phosphatase 3; OTTHUMP00000033306; EC 3.1.3.16; EC 3.1.3.48; LDP3; Low molecular mass dual specificity phosphatase 3

Gene ID 54935

mRNA Refseq NM_017823

Protein Refseq NP_060293

UniProt ID Q9BVJ7

Chromosome Location 1q23.2

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Function

hydrolase activity; protein tyrosine phosphatase activity; protein tyrosine/serine/threonine phosphatase activity

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