

Recombinant Human Dual Specificity Phosphatase 18, His-tagged

Cat. No. DUSP18-1923H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human DUSP18 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.
Species	Human
Description	DUSP18 is a member of the dual-specificity phosphatase (DSP) family, which catalyzes dephosphorylation of phosphotyrosine and phosphothreonine residues. DUSP18 is inhibited by iodoacetate and is activated by manganese ions.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 40% glycerol, 0.1mM PMSF, 1mM EDTA.
Molecular Weight	23.6 kDa(212aa) confirmed by MALDI-TOF
Purity	> 95% by SDS-PAGE
Concentration	0.5mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHSSGLVPRGSH MGSMTAPSC AFPVQFRQPS VSGLSQITKS LYIS NGVAAN NKLMLSSNQI TMVINVSVEVVNTLYEDIQYMQVPVADSPNSRLCDFDPI ADHIHSVEMK QGRTLLHCAA GVSRSALCL AYLMKYHAMS LLDAHTWTKS CRPII RPNSGFWEQLIHVEF QLFGKNTVHM VSSPVGMIPD IYEKEVRLMI PL
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store

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at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	DUSP18 dual specificityphosphatase 18 [Homo sapiens]
Official Symbol	DUSP18
Synonyms	DUSP18; dual specificity phosphatase 18;DSP18; DUSP20; LMWDSP20; bK963H5.1; LMW-DSP20; low molecular weight dualspecificity phosphatase 20; EC 3.1.3.16; EC 3.1.3.48
Gene ID	150290
mRNA Refseq	NM_152511
Protein Refseq	NP_689724
MIM	611446
UniProt ID	Q8NEJ0
Chromosome Location	22q12.1
Function	MAP kinase tyrosine/serine/threoninephosphatase activity; hydrolase activity; protein tyrosine phosphataseactivity; protein tyrosine/serine/threonine phosphatase activity
PDBrendering based on 2esb.	

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