

Recombinant Full Length Human DUSP18 Protein, GST-tagged

Cat. No. DUSP18-4099HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DUSP18 full-length ORF (NP_689724.3, 1 a.a. - 188 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	188 amino acids
Description	Dual-specificity phosphatases (DUSPs) constitute a large heterogeneous subgroup of the type I cysteine-based protein-tyrosine phosphatase superfamily. DUSPs are characterized by their ability to dephosphorylate both tyrosine and serine/threonine residues. They have been implicated as major modulators of critical signaling pathways. DUSP18 contains the consensus DUSP C-terminal catalytic domain but lacks the N-terminal CH2 domain found in the MKP (mitogen-activated protein kinase phosphatase) class of DUSPs (see MIM 600714) (summary by Patterson et al., 2009 [PubMed 19228121]).[supplied by OMIM, Dec 2009]
Molecular Mass	47.5 kDa
AA Sequence	MTAPSCAFPVQFRQPSVSGLSQITKSLYISNGVAANNKMLSSNQITMVINVSVEVVN TLYEDIQYMQVPVADSPNSRLCDFFDPIADHIHSVEMKQGRDLLHCAAGVSRSAALC LAYLMKYHAMSLLDAHTWTKSCRPIIRPNSGFWEQLIHIEFQLFGKNTVHMOVSSPVG MIPDIYEKEVRLMIPL

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	DUSP18 dual specificity phosphatase 18 [Homo sapiens]
Official Symbol	DUSP18
Synonyms	DUSP18; dual specificity phosphatase 18; dual specificity protein phosphatase 18; DUSP20; LMW-DSP20; low molecular weight dual specificity phosphatase 20; DSP18; LMWDSP20; bK963H5.1; MGC32658;
Gene ID	150290
mRNA Refseq	NM_152511
Protein Refseq	NP_689724
MIM	611446
UniProt ID	Q8NEJ0

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