

## Recombinant Human DUSP18, GST-tagged

Cat. No. DUSP18-12210H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human DUSP18 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-188a.a.
<b>Description</b>	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]).
<b>Storage</b>	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
<b>Storage Buffer</b>	1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

### GENE INFORMATION

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<b>Gene Name</b>	DUSP18 dual specificity phosphatase 18 [ Homo sapiens ]
<b>Official Symbol</b>	DUSP18
<b>Synonyms</b>	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;
<b>Gene ID</b>	150290
<b>mRNA Refseq</b>	NM_152511
<b>Protein Refseq</b>	NP_689724
<b>MIM</b>	611446
<b>UniProt ID</b>	Q8NEJ0
<b>Chromosome Location</b>	22q12.1
<b>Function</b>	MAP kinase tyrosine/serine/threonine phosphatase activity; hydrolase activity; protein tyrosine phosphatase activity; protein tyrosine/serine/threonine phosphatase activity;

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