Recombinant Human DUSP18, GST-tagged

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

SPECIFICATION

Product Overview	Recombinant Human DUSP18 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-188a.a.
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]).
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

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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
Chromosome Location	22q12.1
Function	MAP kinase tyrosine/serine/threonine phosphatase activity; hydrolase activity; protein tyrosine phosphatase activity; protein tyrosine/serine/threonine phosphatase activity;

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