

Recombinant Human DUSP19, GST-tagged

Cat. No. DUSP19-12211H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DUSP19 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-217a.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. DUSP19 contains a variation of the consensus DUSP C-terminal catalytic domain, with the last serine residue replaced by alanine, and 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°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

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GENE INFORMATION

Gene Name	DUSP19 dual specificity phosphatase 19 [Homo sapiens]
Official Symbol	DUSP19
Synonyms	DUSP19; dual specificity phosphatase 19; dual specificity protein phosphatase 19; DUSP17; SKRP1; LMW-DSP3; protein phosphatase SKRP1; dual specificity phosphatase TS-DSP1; SAPK pathway-regulating phosphatase 1; low molecular weight dual specificity phosphatase 3; stress-activated protein kinase pathway-regulating phosphatase 1; LMWDSP3; TS-DSP1; MGC138210;
Gene ID	142679
mRNA Refseq	NM_001142314
Protein Refseq	NP_001135786
MIM	611437
UniProt ID	Q8WTR2
Chromosome Location	2q32.1
Function	JUN kinase phosphatase activity; MAP-kinase scaffold activity; hydrolase activity; mitogen-activated protein kinase kinase kinase binding; protein kinase activator activity; protein kinase inhibitor activity; protein tyrosine phosphatase activity; protein

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