

Recombinant Full Length Human DUSP19 Protein, GST-tagged

Cat. No. DUSP19-4100HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DUSP19 full-length ORF (AAH35000, 1 a.a. - 217 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	217 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. 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]).[supplied by OMIM, Dec 2009]
Molecular Mass	49.61 kDa
AA Sequence	MYSLNQEIKAFSRNNLRKQCTRVTTLTGKKIETWKDARIHVVEEVEPSSGCGCGYV QDLSSDLQVGVIKPWLLLGSQDAAHDLDTLKKNKVTHILNVAYGVENAFLSDFTYKSI SILDLPETNILSYFPECFEFIEEAKRKDGVVLVHCNAGVSRAAAIVIGFLMNSEQTSFT SAFSLVKNARPSICPNSGFMEQLRTYQEGKESDKCDRIQENSS

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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	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

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UniProt ID

Q8WTR2

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