

Recombinant Human Dual Specificity Phosphatase 19, His-tagged

Cat. No. DUSP19-1317H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human DUSP19 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	DUSP19 is a member of the dual specificity protein phosphatase subfamily. 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 is a protein phosphatase which functions as a stress-activated protein kinase pathway-regulating phosphatase. 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 class of DUSPs.
Form	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol, 0.1 M NaCl.
Molecular Weight	9.4 kDa (176 aa), confirmed by MALDI-TOF
Purity	> 90 % by SDS-PAGE
Concentration	0.5 mg/ml (determined by Bradford assay)

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Sequences of amino acids

MGSSHHHHHH SSGLVPRGSH MGSQVGVIKP WLLGSDQAA HDLDTLKKNK
 VTHILNVAYG VENAFLSDFT YKSISILDLP ETNILSYFPE CFEFIEEAKR
 KDGVLVHCN AGVSRAAAIV IGFLMNSEQT SFTSAFSLVK NARPSICPNS
 GFMEQLRTYQ EGKESNKCDCR IQENSS

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name DUSP19 dual specificity phosphatase 19 [Homo sapiens]

Official Symbol DUSP19

Synonyms

DUSP19; dual specificity phosphatase 19; SKRP1; DUSP17; LMWDSP3; TS-DSP1; MGC138210; dual specificity protein phosphatase 19; LMW-DSP3; OTTHUMP00000163459; OTTHUMP00000205371; 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; NP_001135786.1; EC 3.1.3.16; EC 3.1.3.48

Gene ID 142679

mRNA Refseq NM_001142314

Protein Refseq NP_001135786

MIM 611437

UniProt ID Q8WTR2

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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 tyrosine phosphatase activity

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