

Recombinant Human DUSP19, His-tagged

Cat. No. DUSP19-28073TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DUSP19, 65-217aa, Human, His tag, E.coli
Species	Human
ProteinLength	65-217 a.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.
Conjugation	HIS
Tissue specificity	Expressed in the heart, lung, liver, and pancreas. The expression level in the pancreas is the highest.
Purity	>90% by SDS-PAGE
Sequence Similarities	Belongs to the protein-tyrosine phosphatase family. Non-receptor class dual specificity subfamily. Contains 1 tyrosine-protein phosphatase domain.

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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;
Gene ID	142679
mRNA Refseq	NM_080876
Protein Refseq	NP_543152
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;

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