Recombinant Human DUSP14, T7-tagged

Cat. No. DUSP14-853H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DUSP14 (1-198 aa) is expressed in E.Coli with a T7 tag at N-terminus.
Species	Human
Source	E.coli
ProteinLength	1-198 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. DUSP14 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.
MW	22255 Da.
Purity	95%.
Formulation	10 mM Tris. pH 8.0. 0.1% Triton X-100.0.002% NaN3. 10mM DTT.
Application	MS. SDS.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	DUSP14 dual specificity phosphatase 14 [Homo sapiens]
Synonyms	DUSP14; dual specificity phosphatase 14; MKP-L, MKP6; MAP kinase phosphatase 6; MKP-1 like protein tyrosine phosphatase; MKP-1-like protein tyrosine phosphatase; MKP-6; OTTHUMP00000164064; OTTHUMP00000164065; dual specificity protein phosphatase 14; mitogen-activated protein kinase phosphatase 6; EC 3.1.3.16; EC 3.1.3.48
Gene ID	11072
mRNA Refseq	NM_007026
Protein Refseq	NP_008957
MIM	606618
UniProt ID	O95147
Chromosome Location	17q12
Pathway	MAPK signaling pathway
Function	MAP kinase tyrosine/serine/threonine phosphatase activity; hydrolase activity; protein tyrosine phosphatase activity

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