

Recombinant Full Length Human DUSP14 Protein, GST-tagged

Cat. No. DUSP14-4097HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DUSP14 full-length ORF (AAH00370, 1 a.a. - 198 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	198 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. 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 [PubMed 19228121]).[supplied by OMIM, Dec 2009]
Molecular Mass	47.52 kDa
AA Sequence	MSSRGHSTLPRTLMAPRMISEGDIGGIAQITSSLFLGRGSVASNRHLLQARGITCIVN ATIEIPNFNWPQFEYVKVPLADMHPAPIGLYFDTVADKIHVSRSRKHGATLVHCAAGVS RSATLCIAYLMKFHNVCLEAYNWWKARRPVIRPNVGFWRQLIDYERQLFGKSTVKM VQTPYGIVPDVYEKESRHLMPYWGI

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Applications	Phosphatase Assay (Cdc25) Phosphatase Assay (PTP) 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	DUSP14 dual specificity phosphatase 14 [Homo sapiens]
Official Symbol	DUSP14
Synonyms	DUSP14; dual specificity phosphatase 14; dual specificity protein phosphatase 14; MKP 1 like protein tyrosine phosphatase; MKP L; MKP6; MKP-6; MAP kinase phosphatase 6; MKP-1 like protein tyrosine phosphatase; MKP-1-like protein tyrosine phosphatase; mitogen-activated protein kinase phosphatase 6; MKP-L;
Gene ID	11072
mRNA Refseq	NM_007026
Protein Refseq	NP_008957
MIM	606618

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UniProt ID

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