

Recombinant Human DUSP14 Protein, GST-tagged

Cat. No. DUSP14-2928H **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	Wheat Germ
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	MSSRGHSTLPRTLAPRMISEGDIGGIAQITSSLFLGRGSVASNRHLLQARGITCIVN ATIEIPNFNWPQFEYVKVPLADMPHAPIGLYFDTVADKIHVSRSRKHGATLVHCAAGVS RSATLCIAYLMKFHNVCLEAYNWWKARRPVIRPNVGFWRQLIDYERQLFGKSTVKM VQTPYGIVPDVYEKESRHLMPYWGI
Applications	Phosphatase Assay (Cdc25) Phosphatase Assay (PTP)

 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

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](#)

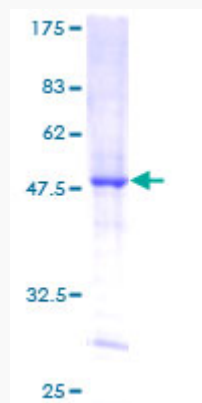
UniProt ID [O95147](#)

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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