

Product datasheet for **TP300531M**

DUSP14 (NM_007026) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human dual specificity phosphatase 14 (DUSP14), 100 µg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC200531 protein sequence
Red=Cloning site **Green**=Tags(s)

MSSRGHSTLPRTLMAPRMISEGDIGGIAQITSSFLGRGSVASNRHLLQARGITCIVNATIEIPNFWPQ
FEYVKVPLADMPHAPIGLYFDTVADKIHSVSRKHGATLVHCAAGVSRSATLCIAYLMKFHNVCLLEAYNW
VKARRPVIRPNVGFWRQLIDYERQLFGKSTVKMVQTPYGIVPDVYEKESRHLMPYWGI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 22.1 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_008957](#)

Locus ID: 11072

UniProt ID: [O95147](#), [Q6FI36](#)

RefSeq Size: 1508



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Cytogenetics:	17q12
RefSeq ORF:	594
Synonyms:	MKP-L; MKP6
Summary:	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]
Protein Families:	Druggable Genome, Phosphatase
Protein Pathways:	MAPK signaling pathway

Product images:



Coomassie blue staining of purified DUSP14 protein (Cat# [TP300531]). The protein was produced from HEK293T cells transfected with DUSP14 cDNA clone (Cat# [RC200531]) using MegaTran 2.0 (Cat# [TT210002]).