

Product datasheet for TP300531M

OriGene Technologies, Inc.

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

MSSRGHSTLPRTLMAPRMISEGDIGGIAQITSSLFLGRGSVASNRHLLQARGITCIVNATIEIPNFNWPQ FEYVKVPLADMPHAPIGLYFDTVADKIHSVSRKHGATLVHCAAGVSRSATLCIAYLMKFHNVCLLEAYNW

VKARRPVIRPNVGFWRQLIDYERQLFGKSTVKMVQTPYGIVPDVYEKESRHLMPYWGI

TRTRPLEQKLISEEDLAANDILDYKDDDDK**V**

Tag: C-Myc/DDK

Predicted MW: 22.1 kDa

Concentration: $>0.05 \mu g/\mu L$ 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: <u>095147</u>, <u>Q6Fl36</u>

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

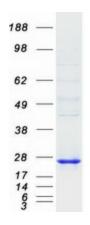
I cysteine-based protein-tyrosine phosphatase superfamily. DUSPs are characterized by their ability to dephosphorylate both tyrosine and serine/threonine residues. They have been implicated as major modulators of critical signaling pathways. DUSP14 contains the

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]).