

Recombinant Human DUSP14 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DUSP14-4928H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DUSP14 MS Standard C13 and N15-labeled recombinant protein (NP_008957) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	22.3 kDa
AA Sequence	MSSRGHSTLPRTLAPRMISEGDIGGIAQITSSLFLGRGSVASNRHLLQARGITCIVN ATIEIPNFNWPQFEYVKVPLADMPHAPIGLYFDTVADKIHVSVRKHGATLVHCAAGVS RSATLCIAYLMKFHNVCLEAYNWWKARRPVIRPNVGFWRQLIDYERQLFGKSTVKM VQTPYGIVPDVYEKESRHLMPYWGITRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	DUSP14 dual specificity phosphatase 14 [Homo sapiens (human)]
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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