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Product datasheet for PH300531

DUSP14 (NM_007026) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DUSP14 MS Standard C13 and N15-labeled recombinant protein (NP_008957)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200531
Predicted MW:	22.3 kDa
Protein Sequence:	>RC200531 protein sequence Red=Cloning site Green=Tags(s) MSSRGHSTLPRTLMAPRMISEGDIGGIAQITSSLFLGRGSVASNRHLLQARGITCIVNATIEIPNFNWPQ FEYVKVPLADMPHAPIGLYFDTVADKIHSVSRKHGATLVHCAAGVSRSATLCIAYLMKFHNVCLLEAYNW VKARRPVIRPNVGFWRQLIDYERQLFGKSTVKMVQTPYGIVPDVYEKESRHLMPYWGI TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_008957
RefSeq Size:	1508
RefSeq ORF:	594
Synonyms:	MKP-L; MKP6
Locus ID:	11072
UniProt ID:	O95147, Q6FI36

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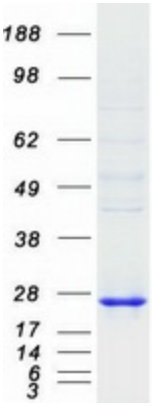
Cytogenetics: 17q12

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]).