

Product datasheet for PH319496

DUSP18 (NM_152511) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DUSP18 MS Standard C13 and N15-labeled recombinant protein (NP_689724)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC219496
Predicted MW:	20.9 kDa
Protein Sequence:	>RC219496 representing NM_152511 Red =Cloning site Green =Tags(s) MTAPSCAFPVQFRQPSVSGLSQITKSLYISNGVAANNKMLSSNQITMVINVSVEVVNTLYEDIQYMQVP VADSPNSRLCDFDPIADHIHSVEMKQGRLLHCAAGVSRSAALCLAYLMKYHAMSLLDAHTWTKSCRPI IRPNSGFWEQLIHYEFQLFGKNTVHMVSSPVGMIPIYEKEVRLMIPL 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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_689724
RefSeq Size:	2453
RefSeq ORF:	564
Synonyms:	DSP18; DUSP20; LMWDSP20
Locus ID:	150290
UniProt ID:	Q8NEJ0 , A0A024R1L2



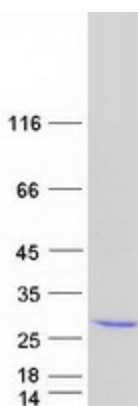
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Cytogenetics: 22q12.2

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. DUSP18 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

Product images:



Coomassie blue staining of purified DUSP18 protein (Cat# [TP319496]). The protein was produced from HEK293T cells transfected with DUSP18 cDNA clone (Cat# [RC219496]) using MegaTran 2.0 (Cat# [TT210002]).