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Product datasheet for PH306912

DUSP28 (NM_001033575) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DUSP28 MS Standard C13 and N15-labeled recombinant protein (NP_001028747)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206912
Predicted MW:	18.3 kDa
Protein Sequence:	>RC206912 protein sequence Red=Cloning site Green=Tags(s) MGPAEAGRRGAASPVPPPLVRVAPSLFLGSARAAGAEEQLARAGVTLCVNVSRQQPGPRAPGVAELRVPV FDDPAEDLLAHLEPTCAAMEAAVRAGGACLVYCKNGRSRSAAVCTAYLMRHRGLSLAKAFQMVKSARPVA EPNPGFWSQLQKYEEALQAQSCLQGEPPALGLGPEA 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_001028747
RefSeq Size:	1555
RefSeq ORF:	528

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Synonyms: DUSP26; VHP

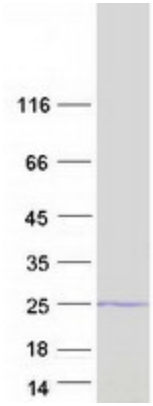
Locus ID: 285193

UniProt ID: Q4G0W2

Cytogenetics: 2q37.3

Summary: Has phosphatase activity with the synthetic substrate 6,8-difluoro-4-methylumbelliferyl phosphate (in vitro) (PubMed:24531476, PubMed:29121083). Has almost no detectable activity with phosphotyrosine, even less activity with phosphothreonine and displays complete lack of activity with phosphoserine (PubMed:29121083). The poor activity with phosphotyrosine may be due to steric hindrance by bulky amino acid sidechains that obstruct access to the active site (PubMed:29121083).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified DUSP28 protein (Cat# [TP306912]). The protein was produced from HEK293T cells transfected with DUSP28 cDNA clone (Cat# [RC206912]) using MegaTran 2.0 (Cat# [TT210002]).