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Product datasheet for TP306912

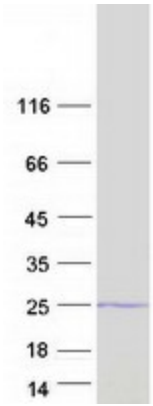
DUSP28 (NM_001033575) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human dual specificity phosphatase 28 (DUSP28), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206912 protein sequence Red=Cloning site Green=Tags(s) MGPAEAGRRGAASPVPPPLVRVAPSLFLGSARAAGAEEQLARAGVTLCVNVSRQQPGPRAPGVAELRVPV FDDPAEDLLAHLEPTCAAMEAAVRAGGACLVYCKNGRSRSAAVCTAYLMRHRGLSLAKAFQMVKSARPVA EPNPGFWSQLQKYEEALQAQSCLQGEPPALGLGPEA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	18.1 kDa
Concentration:	>0.05 µg/µL 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_001028747

Locus ID:	285193
UniProt ID:	Q4G0W2
RefSeq Size:	1555
Cytogenetics:	2q37.3
RefSeq ORF:	528
Synonyms:	DUSP26; VHP
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]).