

Product datasheet for PH302846

PARP16 (NM_017851) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PARP16 MS Standard C13 and N15-labeled recombinant protein (NP_060321)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202846
Predicted MW:	36.5 kDa
Protein Sequence:	>RC202846 protein sequence Red =Cloning site Green =Tags(s) MQPSGWAAAREAAAGRDMLAADLRCSLFASALQSYKRDSVLRPFPASYARGDCKDFEALLADASKLPNLKE LLQSSGDNHKRAWDLVSWILSSKVLTIHSAGKAEFEKIQKLTGAPHTPVAPDFLFEIEYFDPANAKFYE TKGERDLIYAFHGSRLENFHSIIHNGLHCHLNKTSLFEGGTYLTSDLALAIYSPHGHGWQHSLLGPILS CVAVCEVIDHPDVKQCQTKKDSKEIDRRRARIKHSEGGDIPPKYFVVTNNQLLRVKYLLVYSQKPPKSRA SSQLSWFSSHWFTVMISLYLLLLLIVSVINSSAFQHFWNRAKR TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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:	<u>NP_060321</u>
RefSeq Size:	2551
RefSeq ORF:	969
Synonyms:	ARTD15; C15orf30; pART15
Locus ID:	54956



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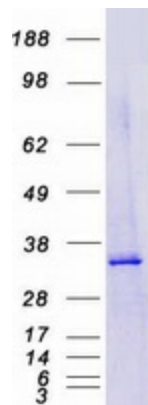
UniProt ID: [Q8N5Y8](#)

Cytogenetics: 15q22.31

Summary: Intracellular mono-ADP-ribosyltransferase that may play a role in different processes through the mono-ADP-ribosylation of proteins involved in those processes (PubMed:23103912, PubMed:22701565, PubMed:25043379). May play a role in the unfolded protein response (UPR), by ADP-ribosylating and activating EIF2AK3 and ERN1, two important UPR effectors (PubMed:23103912). May also mediate mono-ADP-ribosylation of karyopherin KPNB1 a nuclear import factor (PubMed:22701565). May not modify proteins on arginine or cysteine residues compared to other mono-ADP-ribosyltransferases (PubMed:22701565). [UniProtKB/Swiss-Prot Function]

Protein Families: Transmembrane

Product images:



Coomassie blue staining of purified PARP16 protein (Cat# [TP302846]). The protein was produced from HEK293T cells transfected with PARP16 cDNA clone (Cat# [RC202846]) using MegaTran 2.0 (Cat# [TT210002]).