OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for PH301032

TRIAP1 (NM_016399) Human Mass Spec Standard

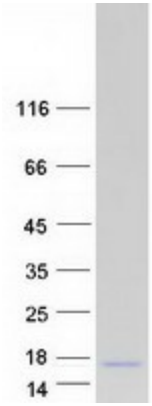
Product data:

Product Type:	Mass Spec Standards
Description:	TRIAP1 MS Standard C13 and N15-labeled recombinant protein (NP_057483)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201032
Predicted MW:	8.8 kDa
Protein Sequence:	>RC201032 protein sequence Red=Cloning site Green=Tags(s) MNSVGEACTDMKREYDQCFNRWFAEKFLKGDSSGDPCTDLFKRYQQCVQKAIKEKEIPIEGLEFMGHGKE KPENSS 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_057483
RefSeq Size:	1196
RefSeq ORF:	228
Synonyms:	HSPC132; MDM35; P53CSV; WF-1
Locus ID:	51499
UniProt ID:	O43715
Cytogenetics:	12q24.31

View online »

Summary: Involved in the modulation of the mitochondrial apoptotic pathway by ensuring the accumulation of cardiolipin (CL) in mitochondrial membranes. In vitro, the TRIAP1:PRELID1 complex mediates the transfer of phosphatidic acid (PA) between liposomes and probably functions as a PA transporter across the mitochondrion intermembrane space to provide PA for CL synthesis in the inner membrane (PubMed:23931759). Likewise, the TRIAP1:PRELID3A complex mediates the transfer of phosphatidic acid (PA) between liposomes (in vitro) and probably functions as a PA transporter across the mitochondrion intermembrane space (in vivo) (PubMed:26071602). Mediates cell survival by inhibiting activation of caspase-9 which prevents induction of apoptosis (PubMed:15735003).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified TRIAP1 protein (Cat# [TP301032]). The protein was produced from HEK293T cells transfected with TRIAP1 cDNA clone (Cat# [RC201032]) using MegaTran 2.0 (Cat# [TT210002]).