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 PH305544

SPATA18 (NM_145263) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SPATA18 MS Standard C13 and N15-labeled recombinant protein (NP_660306)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205544
Predicted MW:	61.1 kDa
Protein Sequence:	>RC205544 protein sequence Red=Cloning site Green=Tags(s) MAENLKRLVSNETLRTLQEKLDFWLKEYNTNTCDQNLNHCLELIEQVAKVQGQLFGILTAAAQEGGRNDG VETIKSRLLPWLEASFTAASLGKSVDSKVPSLQDTFDRERHKDPSPRDRDMQQLDSNLNSTRSQCNQVQD DLVETEKNLEESKNRSAISLLAAEEEINQLKKQLKSLQAQEDARHRNTDQRSSENRRSEPWSLEERKREQ WNSLKQNADQQDTEAMSDYKKQLRNLKEEIAVLSAEKSALQGRSSRSRSPSPAPRSRSCSRSRSASPSTA VKVRRPSPNRSKLSNVARKAALLSRFSDSYSQARLDAQCLLRRCIDKAETVQRIIYIATVEAFHVAKMAF RHFKIHVRKSLTPSYVGSNDFENAVLDYVICHLDLYDSQSSVNDVIRAMNVNPKISFPPVVDFCLLSDFI QEICCIAFAMQALEPPLDIAYGADGEVFNDCKYRRSYDSDFTAPLVLYHVWPALMENDCVIMKGEAVTRR GAFWNSVRSVSRCRSRSLSPICPRSQIGLNTMSRSRSPSPIRCGLPRF 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_660306
RefSeq Size:	4425
RefSeq ORF:	1614

View online »

Synonyms: Mieap; SPETEX1

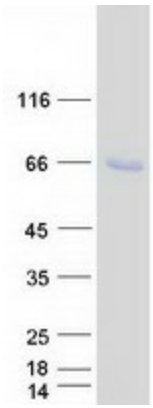
Locus ID: 132671

UniProt ID: Q8TC71, A0A140VKF4

Cytogenetics: 4q12

Summary: This gene encodes a p53-inducible protein that is able to induce lysosome-like organelles within mitochondria that eliminate oxidized mitochondrial proteins, thereby contributing to mitochondrial quality control. Dysregulation of mitochondrial quality control is associated with cancer and degenerative diseases. The encoded protein mediates accumulation of the lysosome-like mitochondrial organelles through interaction with B cell lymphoma 2 interacting protein 3 and B cell lymphoma 2 interacting protein 3 like at the outer mitochondrial membrane, which allows translocation of lysosomal proteins to the mitochondrial matrix from the cytosol. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016]

Product images:



Coomassie blue staining of purified SPATA18 protein (Cat# [TP305544]). The protein was produced from HEK293T cells transfected with SPATA18 cDNA clone (Cat# [RC205544]) using MegaTran 2.0 (Cat# [TT210002]).