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Product datasheet for PH301282

APPD (PLEKHF1) (NM_024310) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PLEKHF1 MS Standard C13 and N15-labeled recombinant protein (NP_077286)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201282
Predicted MW:	31.2 kDa
Protein Sequence:	>RC201282 protein sequence Red=Cloning site Green=Tags(s) MVDHLANTEINSQRIAAVESCFGASGQPLALPGRVLLGEGVLTKECRKKAKPRIFFLFNDILVYGSIVLN KRKYRSQHIIPLEEVTLELLPETLQAKNRWMIKTAKKSFVVSAASATERQEWISHIEECVRRQLRATGRP PSTEHAAPWIPDKATDICMRCTQTRFSALTRRHHCRKCGFVVCAECSRQRFLLPRLSPKPVRVCSLCYRE LAAQQRQEEAEEQGAGSPGQPAHLARPICGASSGDDDDSDEDKEGSRDGDWPSSVEFYASGVAWSAFHS 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_077286
RefSeq Size:	1774
RefSeq ORF:	837
Synonyms:	APPD; LAPF; PHAFIN1; ZFYVE15
Locus ID:	79156
UniProt ID:	Q96S99, Q96K11

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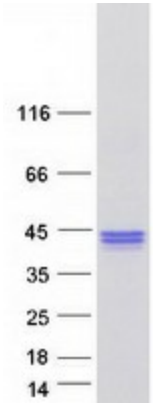
Cytogenetics: 19q12

Summary: May induce apoptosis through the lysosomal-mitochondrial pathway. Translocates to the lysosome initiating the permeabilization of lysosomal membrane (LMP) and resulting in the release of CTSD and CTSL to the cytoplasm. Triggers the caspase-independent apoptosis by altering mitochondrial membrane permeabilization (MMP) resulting in the release of PDCD8. [UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified PLEKHF1 protein (Cat# [TP301282]). The protein was produced from HEK293T cells transfected with PLEKHF1 cDNA clone (Cat# [RC201282]) using MegaTran 2.0 (Cat# [TT210002]).