

Product datasheet for PH318762

PACS2 (NM_001100913) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PACS2 MS Standard C13 and N15-labeled recombinant protein (NP_001094383)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218762
Predicted MW:	98 kDa
Protein Sequence:	>RC218762 representing NM_001100913 Red=Cloning site Green=Tags(s)

MAERGRLGLPGAPGALNTPVPMNLFATWEVDGSSPSCVPRLCSLTLKKL VVFKLEKELISVVIIVKMQG
SKRILRSHEIVLPPSGQVETDLALTFSLQYPHFLKREGNKLQIMLQRRKRYKNRTILGYKTLAAGSISMA
EVMQHPSEGGQVLSLCSSEIAPVKAEEIWIASLSSQPIDHEDSTMQAGPKAKSTDNYSEEEYESFSSEQ
EASDDAVQGQDLDEDDFDVGKPKKQRRSIVRTTSMTRQQNFKQKVVALLRRFKVSDVLDSEQDPAEHIP
EAEEDLDLLYDTLDMEHPSDSGPDMEDDSVLSTPKPKLRPYFEGLSHSSSQTEIGSIHSARSHKEPPSP
ADVPEKTRSLGGRQPSDSVSDTVALGVPGPREHPGQPEDSPEAEASTLDVFTERLPPSGRITKTESLVIP
STRSEGKQAGRRGRSTSLKERQAARPQNERANSLDNERCPDARSQLQVQLQIPRKTYYDQLNHILISDDQ
LPENIILVNTSDWQGFSDVLRHTLPVVCTCSPADVQAAFSTIVSRIQRYCNCNSQPPTPVKIAVAGA
QHYSAILRFLVEQLSHKTPDWLGYMFLVIPLGSHPVARYLGSVDYRYNNFFQDLAWRDLFNKLEAQSA
VQDTPDIVSRITQYIAGANCAHQLPIAEAMLTYKQKSPDEESSQKFI PFVGVVKGIVPESSATS GDSDD
AAPSGSGLSSTPPSASPAAKEASPTPPSSPSVSGGLSSPSQGVGAELMGLQVDYWTAAQPADRKRDAEK
KDLPVTKNTLKCTFRSLQVSRLPSSGEEAAPTMSMTVVTKENKVMFLPKKAKDKDVESKQCIEGIS
RLICTARQQNMLRVLIDGVECSDVKFFQLAAQWSSHVKHFPICIFGHSKATF

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.



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RefSeq: [NP_001094383](#)

RefSeq Size: 6332

RefSeq ORF: 2679

Synonyms: EIEE66; PACS-2; PACS1L

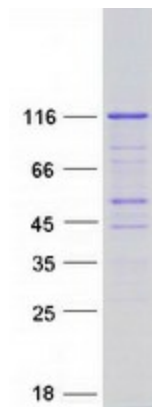
Locus ID: 23241

UniProt ID: [Q86VP3](#)

Cytogenetics: 14q32.33

Summary: Multifunctional sorting protein that controls the endoplasmic reticulum (ER)-mitochondria communication, including the apposition of mitochondria with the ER and ER homeostasis. In addition, in response to apoptotic inducer, translocates BIB to mitochondria, which initiates a sequence of events including the formation of mitochondrial truncated BID, the release of cytochrome c, the activation of caspase-3 thereby causing cell death. May also be involved in ion channel trafficking, directing acidic cluster-containing ion channels to distinct subcellular compartments.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified PACS2 protein (Cat# [TP318762]). The protein was produced from HEK293T cells transfected with PACS2 cDNA clone (Cat# [RC218762]) using MegaTran 2.0 (Cat# [TT210002]).