

## Product datasheet for **TP318762M**

### **PACS2 (NM\_001100913) Human Recombinant Protein**

#### **Product data:**

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human phosphofurin acidic cluster sorting protein 2 (PACS2), transcript variant 1, 100 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC218762 representing NM\_001100913  
**Red**=Cloning site **Green**=Tags(s)

MAERGRLLPGAPGALNTPVPMNLFATWEVDGSSPSCVPRLCSLTLKKLVFKELEKELISVVIKVMQG  
SKRILRSHEIVLPPSGQVETDLALTFSLQYPHFLKREGNKLQIMLQRRKRYKNRTILGYKTLAAGSISMA  
EVMQHPSEGGQVLSLCSSIKEAPVKAEEIWIASLSSQPIDHEDSTMQAGPKAKSTDNYSEEEYESFSSEQ  
EASDDAVQQDLEDDFDVGVKPKKQRRSIVRTTSMTRQQNFQKQVALLRRFKVSDEVL DSEQDPAEHIP  
EA EEDLDLLYDTLDMEHPSDSGPDMEDDSVLSTPKPKLRPYFEGLSHSSSQTEIGSIHSARSHKEPPSP  
ADVPEKTRSLGGRQPSDSVSDTVALGVPGREHPGQPEDSPEAEASTLDVFTERLPPSGRITKTESLVIP  
STRSEKQAGRRGRSTSLKERQAARPQNERANSLDNERCPDARSQ LQVQLQIPRKTVYDQLNHILISDDQ  
LPENIILVNTSDWQQFLSDVLRHTLPVVTCTSPADVQAAFASTIVSRIQRYCNCNSQPPTPVKIAVAGA  
QH YLSAILRLFVEQLSHKTPDWLGYMRFVIPLGSHPVARYLGSVDYRYNNFFQDLAWRDLFNKLEAQA  
VQDTPDIVSRITQYIAGANCAHQLPIAEAMLYKQKSPDEESSQKFIPFVGVVKGIVPESSATSGDSDD  
AAPSGSGTSSPPSASPAAKEASPTPPSSPSVSGGLSSPSQGVGAELMGLQVDYWTAAQPADRKRDAEK  
KDL PVTKNTLTKCTFRSLQVSRLPSSGEEAATPTMSMTVVTKEKNKKVMFLPKKAKDKDVESKSCIEGIS  
RLICTARQQQNMLRVLIDGVECSDVKFFQLAAQWSSHVKHFPICIFGHKATF

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

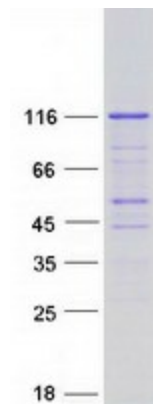
**Tag:** C-Myc/DDK  
**Predicted MW:** 98 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  
**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001094383</a>
<b>Locus ID:</b>	23241
<b>UniProt ID:</b>	<a href="#">Q86VP3</a>
<b>RefSeq Size:</b>	6332
<b>Cytogenetics:</b>	14q32.33
<b>RefSeq ORF:</b>	2679
<b>Synonyms:</b>	EIEE66; PACS-2; PACS1L
<b>Summary:</b>	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]).