

Product datasheet for PH302733

PAR4 (PAWR) (NM_002583) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PAWR MS Standard C13 and N15-labeled recombinant protein (NP_002574)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202733
Predicted MW:	36.6 kDa
Protein Sequence:	>RC202733 protein sequence Red=Cloning site Green=Tags(s)

MATGGYRTSSGLGGSTTDFLEEWKAKREKMRKQNPFGPAPGGGSSDAAGKPPAGALGTPAAAAANELN
NNLPGGAPAAPAVPGPGVNCVGSAMLTAAAPGPRRSEDEPPAASASAAPPQRDEEEDGVPKGGSS
GPSARKGKGQIEKRKLEKRRSTGVVNIPTAAECLDEYEDDEAGQKERKREDAITQNTIQNEAVNLLDPG
SSYLLQEPRTVSGRYKSTTSVSEEDVSSRYSDRSRSGFPRYNRDANVSGTLVSSSTLEKKIEDLEKEV
RERQENLRLVRLMQDKEEMIGLKEEIDLLNRDLDDIEDENEQLKQENKTLKVVQGLTR

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- 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.
RefSeq:	<u>NP_002574</u>
RefSeq Size:	1967
RefSeq ORF:	1020
Synonyms:	Par-4; PAR4
Locus ID:	5074



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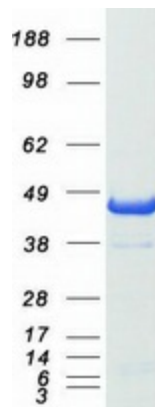
UniProt ID: [Q96IZ0](#)

Cytogenetics: 12q21.2

Summary: This gene encodes a tumor suppressor protein that selectively induces apoptosis in cancer cells through intracellular and extracellular mechanisms. The intracellular mechanism involves the inhibition of pro-survival pathways and the activation of Fas-mediated apoptosis, while the extracellular mechanism involves the binding of a secreted form of this protein to glucose regulated protein 78 (GRP78) on the cell surface, which leads to activation of the extrinsic apoptotic pathway. This gene is located on the unstable human chromosomal 12q21 region and is often deleted or mutated in different tumors. The encoded protein also plays an important role in the progression of age-related diseases. [provided by RefSeq, Aug 2017]

Protein Families: Druggable Genome, Transcription Factors

Product images:



Coomassie blue staining of purified PAWR protein (Cat# [TP302733]). The protein was produced from HEK293T cells transfected with PAWR cDNA clone (Cat# [RC202733]) using MegaTran 2.0 (Cat# [TT210002]).