

Product datasheet for PH317823

Protor 1 (PRR5) (NM_015366) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PRR5 MS Standard C13 and N15-labeled recombinant protein (NP_056181)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217823
Predicted MW:	41.4 kDa
Protein Sequence:	>RC217823 representing NM_015366 Red =Cloning site Green =Tags(s)

MSSPSLSDLGKREPAAAADERGTQRRACANATWNSIHNGVIAVFQRKGLPDQELFSLNEGVRQLLKTEL
 GSFFTEYLQNQLLTGKMVILRDKIRFYEGQKLLDSLAEWDFFFSDVLPMLQAIFYPVQGKEPSVRQLAL
 LHFRNAITLSVKLEDALARAHARVPPAIVQMLLVLGQVHESRGVTEDYLRLETLVQKVVSPLYGLTYGLHS
 SEGPFTHSCILEKRLRRSRSGDVLAKNPVRSKSYNTPLLNPVQEHEAEGAAAGGTSIRRHSVSEMTSC
 PEPQGFSDPPGQGPTGTFRSPAPHSGPCPSRLYPTTQPPEQGLDPTRSSLRSPSPENLVDQILESVDSD
 SEGIFIDFGRGRGSGMSDLEGSGGRQSVV

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:	NP_056181
RefSeq Size:	1653
RefSeq ORF:	1137
Synonyms:	FLJ20185k; PP610; PROTOR-1; PROTOR1
Locus ID:	55615

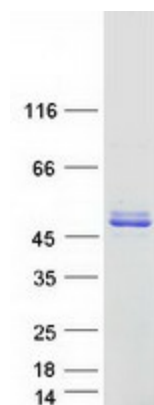

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UniProt ID: P85299, A0A024R4U5

Cytogenetics: 22q13.31

Summary: This gene encodes a protein with a proline-rich domain. This gene is located in a region of chromosome 22 reported to contain a tumor suppressor gene that may be involved in breast and colorectal tumorigenesis. The protein is a component of the mammalian target of rapamycin complex 2 (mTORC2), and it regulates platelet-derived growth factor (PDGF) receptor beta expression and PDGF signaling to Akt and S6K1. Alternative splicing and the use of alternative promoters results in transcripts encoding different isoforms. Read-through transcripts from this gene into the downstream Rho GTPase activating protein 8 (ARHGAP8) gene also exist, which led to the original description of PRR5 and ARHGAP8 being a single gene. [provided by RefSeq, Nov 2010]

Product images:



Coomassie blue staining of purified PRR5 protein (Cat# [TP317823]). The protein was produced from HEK293T cells transfected with PRR5 cDNA clone (Cat# [RC217823]) using MegaTran 2.0 (Cat# [TT210002]).