

Recombinant Human PRR5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PRR5-2479H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PRR5 MS Standard C13 and N15-labeled recombinant protein (NP_056181) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	41.4 kDa
AA Sequence	MSSPSLSDLGKREPAAAADERGTQQRACANATWNSIHNGVIAVFQRKGLPDQELF SLNEGVRQLLKTELGSFFTEYLQNQLLTGKMVILRDKIRFYEGQKLLDSLAETWDFFF SDVLPMLQAIFYPVQGKEPSVRQLALLHFRNAITLSVKLEDALARAHARVPPAIVQML LVLQGVHESRGVTEGYLRLETLVQKVSPYLGTYGLHSSEGPFTHSCILEKRLRRS

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RSGDVLAKNPVVRKSYNTPLLNPVQEHEAEGAAAGGTSIRRHVSSEMTSCPEPQG
 FSDPPGQGPTGTFRSSPAPHSGPCPSRLYPTTQPPEQGGLDPTRSSLPSSPENLVD
 QILESVDSDSEGIFIDFGRGRGSGMSDLEGSGGRQSVVTRTRPLEQKLISEEDLAAN
 DILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PRR5 proline rich 5 [Homo sapiens (human)]

Official Symbol PRR5

Synonyms PRR5; proline rich 5 (renal); proline-rich protein 5; FLJ20185k; PP610; protein observed with Rictor 1; Protor 1; protein observed with Rictor-1; PROTOR1; PROTOR-1; FLJ20185;

Gene ID 55615

mRNA Refseq NM_015366

Protein Refseq NP_056181

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MIM	609406
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UniProt ID	P85299
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