Recombinant Human PRR5 Protein, MYC/DDK-tagged

Cat. No. PRR5-3023H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRR5 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	41.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	PRR5 proline rich 5 (renal) [Homo sapiens]
Official Symbol	PRR5
Synonyms	FLJ20185k; PP610; PROTOR-1; PROTOR1
Gene ID	55615
mRNA Refseq	NM_001017528
Protein Refseq	NP_001017528
MIM	609406
UniProt ID	P85299

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