

## Recombinant Human PRR5 Protein, His-tagged

Cat. No. PRR5-2628H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human PRR5 Protein (Arg191-Val388) with a N-His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Arg191-Val388
<b>Description</b>	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.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 24.9 kDa Accurate Molecular Mass: 28 kDa
<b>Endotoxin</b>	<1.0 EU per 1g (determined by the LAL method).

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<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS or others.

## GENE INFORMATION

<b>Gene Name</b>	PRR5 proline rich 5 (renal) [ Homo sapiens (human) ]
<b>Official Symbol</b>	PRR5
<b>Synonyms</b>	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;
<b>Gene ID</b>	55615
<b>mRNA Refseq</b>	NM_001017528
<b>Protein Refseq</b>	NP_001017528

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<b>MIM</b>	609406
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<b>UniProt ID</b>	P85299
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