Recombinant Human PRR5 Protein, His-tagged

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

SPECIFICATION

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

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Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	PRR5 proline rich 5 (renal) [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_001017528
Protein Refseq	NP_001017528

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MIM	609406
UniProt ID	P85299

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