

Recombinant Human PRRG2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PRRG2-591H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PRRG2 MS Standard C13 and N15-labeled recombinant protein (NP_000942) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a single-pass transmembrane protein containing an N-terminal gamma-carboxyglutamic acid (Gla) domain and tandem Pro/Leu-Pro-Xaa-Tyr (PY) motifs at its C-terminal end. The Gla domain is exposed on the cell surface while the PY motifs are cytoplasmic. The PY motifs of the encoded protein have been shown to interact with YAP1, a WW domain-containing protein. Therefore, it is thought that the encoded protein may be part of a signal transduction pathway. Two transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	22.2 kDa
AA Sequence	MRGHPSLLLLYMALTTCLDTSPSEETDQEVFLGPPEAQSFSSHTRIPRANHWDLEL LTPGNLERECLEERCSWEEAREYFEDNTLTERFWESYIYNGKGGRGRVDVASLAV GLTGGILLIVLAGLGAFWYLRWRQHRGQQPCPQEAGLISPLSPLNPLGPPTPLPPPP PPPPGLPTYEQALAASGVHDAPPPPYTSLRRPHTRTRPLEQKLISEEDLAANDILDYK DDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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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.

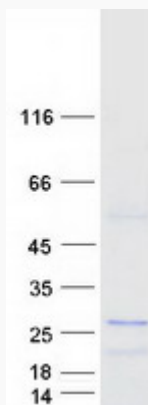
GENE INFORMATION

Gene Name	PRRG2 proline rich and Gla domain 2 [Homo sapiens (human)]
Official Symbol	PRRG2
Synonyms	PRRG2; proline rich Gla (G-carboxyglutamic acid) 2; proline rich Gla (G carboxyglutamic acid) polypeptide 2; transmembrane gamma-carboxyglutamic acid protein 2; PRGP2; proline-rich Gla protein 2; proline-rich gamma-carboxyglutamic acid protein 2; proline-rich Gla (G-carboxylglutamic acid) polypeptide 2; proline-rich Gla (G-carboxyglutamic acid) polypeptide 2;
Gene ID	5639
mRNA Refseq	NM_000951
Protein Refseq	NP_000942
MIM	604429
UniProt ID	O14669

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SDS-PAGE

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