

Recombinant Full Length Human PRRG1 Protein

Cat. No. PRRG1-407HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human PRRG1 with a N terminal proprietary tag; Predicted MWt 51.90 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	218 amino acids
Description	This gene encodes a vitamin K-dependent, gamma-carboxyglutamic acid (Gla)-containing, single-pass transmembrane protein. This protein contains a Gla domain at the N-terminus, preceded by a propeptide sequence required for post-translational gamma-carboxylation of specific glutamic acid residues by a vitamin K-dependent gamma-carboxylase. The C-terminus is proline-rich containing PPXY and PXXP motifs found in a variety of signaling and cytoskeletal proteins. This gene is highly expressed in the spinal cord. Several alternatively spliced transcript variants have been found for this gene.
Form	Liquid
Molecular Mass	51.900kDa inclusive of tags
AA Sequence	MGRVFLTGEKANSILKRYPRANGFFEEIRQGNIERECKEE FCTFEEAREAFENNEKT KEFWSTYTKAQQGESNRGSDWFQ FYLTFPLIFGLFIILLVIFLIWRCFLRNKTRRQTV TEGHI PFPQHNLNIITPPPPDEVFDSGLSPGFLGYVVGSRSDSVS TRLSNCDPPPTY

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EEATGQVNLQRSETEPHLDPPEYEDIV NSNSASAIPMPVVTTIK

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name [PRRG1 proline rich Gla \(G-carboxyglutamic acid\) 1 \[Homo sapiens \]](#)

Official Symbol [PRRG1](#)

Synonyms PRRG1; proline rich Gla (G-carboxyglutamic acid) 1; proline rich Gla (G carboxyglutamic acid) polypeptide 1; transmembrane gamma-carboxyglutamic acid protein 1; PRGP1

Gene ID [5638](#)

mRNA Refseq [NM_000950](#)

Protein Refseq [NP_000941](#)

MIM [604428](#)

UniProt ID [O14668](#)

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