# Recombinant Full Length Human PRRG1 Protein

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

## SPECIFICATION

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| **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 PFPQHLNIITPPPPPDEVFDSSGLSPGFLGYVVGRSDSVS TRLSNCDPPPTY |

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|---|---|
| | EEATGQVNLQRSETEPHLDPPPEYEDIV NSNSASAIPMVPVVTTIK |
| **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

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| **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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