Recombinant Human PRRG1

Cat. No. PRRG1-30706TH **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	Wheat Germ
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.
Molecular Weight	51.900kDa inclusive of tags
Tissue specificity	Highly expressed in the spinal cord.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MGRVFLTGEKANSILKRYPRANGFFEEIRQGNIERECKEE FCTFEEAREAFENNEKT KEFWSTYTKAQQGESNRGSDWFQ FYLTFPLIFGLFIILLVIFLIWRCFLRNKTRRQTV TEGHI PFPQHLNIITPPPPPDEVFDSSGLSPGFLGYVVGRSDSVS TRLSNCDPPPTY EEATGQVNLQRSETEPHLDPPPEYEDIV NSNSASAIPMVPVVTTIK
Sequence Similarities	Contains 1 Gla (gamma-carboxy-glutamate) domain.

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

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Uniprot ID	O14668
Chromosome Location	Xp21.1
Function	calcium ion binding;

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