

For Research Use Only

Recombinant Human PRRG1 protein (rFc Tag)



Catalog Number: Eg4097

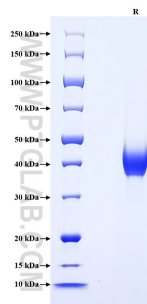
Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/μg protein, LAL method Source: HEK293-derived Human PRRG1 protein Ala21-Leu83 (Accession# O14668-1) with a rabbit IgG Fc tag at the C-terminus. GeneID: 5638 Accession: O14668-1 Predicted Molecular Mass: 33.9 kDa SDS-PAGE: 36-45 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	PRRG1, or proline-rich and Gla domain 1, is a protein-coding gene in humans. It encodes a vitamin K-dependent, gamma-carboxyglutamic acid (Gla)-containing, single-pass transmembrane protein. This protein features a Gla domain at the N-terminus, which is essential for the post-translational gamma-carboxylation of specific glutamic acid residues by a vitamin K-dependent gamma-carboxylase. The C-terminus of the protein is proline-rich and contains PPXY and PXXP motifs, which are found in various signaling and cytoskeletal proteins.		
References	1. Kulman JD. et al. (1997) Proc Natl Acad Sci U S A. 94(17):9058-62.		
Synonyms	PRGP1, Proline-rich gamma-carboxyglutamic acid protein 1, Proline-rich Gla protein 1, TMG1, Transmembrane gamma-carboxyglutamic acid protein 1		

For technical support and original validation data for this product please contact

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Selected Validation Data



Purity of Recombinant Human PRRG1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.