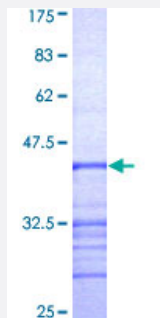


RPGR (Human) Recombinant Protein (Q01)

Catalog # H00006103-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human RPGR partial ORF (AAH31624, 1 a.a. - 100 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MREPEELMPDSGAVFTFGKSKFAENNPgKFWFKNDVPVHLSCGDEHSAVVTGNNKLYMFGSN NWGQLGLGSKSAISKPTCVKALKPEKVKLAACGRNHTL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (84)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — RPGR

Entrez GeneID [6103](#)

GeneBank Accession# [BC031624](#)

Protein Accession# [AAH31624](#)

Gene Name RPGR

Gene Alias COD1, CORDX1, CRD, PCDX, RP15, RP3, XLRP3, orf15

Gene Description retinitis pigmentosa GTPase regulator

Omim ID [300029](#) [300389](#) [300455](#) [304020](#) [312610](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a protein with a series of six RCC1-like domains (RLDs), characteristic of the highly conserved guanine nucleotide exchange factors. The encoded protein is found in the Golgi body and interacts with RPGRIP1. This protein localizes to the outer segment of rod photoreceptors and is essential for their viability. Mutations in this gene have been associated with X-linked retinitis pigmentosa (XLRP). Multiple alternatively spliced transcript variants that encode different isoforms of this gene have been reported, but the full-length nature of only some have been determined. [provided by RefSeq]

Other Designations OTTHUMP00000023140|retinitis pigmentosa 15, cone dystrophy 1 (X-linked)|retinitis pigmentosa 3 GTPase regulator

Disease

- [Genetic Diseases](#)
- [Retinal Diseases](#)

- [Retinitis Pigmentosa](#)
- [Vision Disorders](#)