

Product datasheet for **TP750193**

RPGR (NM_000328) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human retinitis pigmentosa GTPase regulator (RPGR), transcript variant A, full length, with N-terminal His tag, expressed in E.coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the full-length of RPGR
Tag:	N-His
Predicted MW:	90.1 kDa
Concentration:	>0.05 µg/µL as determined by Bradford protein assay method.
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, pH 8.0, 250 mM NaCl, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_000319
Locus ID:	6103
UniProt ID:	Q92834
RefSeq Size:	3082
Cytogenetics:	Xp11.4
RefSeq ORF:	2445
Synonyms:	COD1; CORDX1; CRD; orf15; PCDX; RP3; RP15; XLRP3



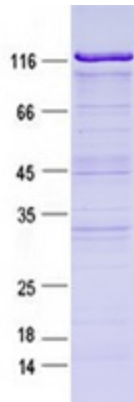
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Summary:

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, Dec 2008]

Protein Families:

Druggable Genome

Product images:

Purified recombinant protein RPGR was analyzed by SDS-PAGE gel and Coomassie Blue Staining.