# Peripherin-2 (PRPH2) Chicken Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Peripherin-2 (PRPH2), Recombinant Protein |
| **Full Product Name** | Recombinant Chicken Peripherin-2 (PRPH2), partial |
| **Product Gene Name** | PRPH2 recombinant protein |
| **Host** | E Coli or Yeast or Baculovirus or Mammalian Cell |
| **Form/Format** | Lyophilized or liquid (Format to be determined during the manufacturing process) |
| **Purity/Purification** | Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific) |
| **Preparation and Storage** | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended. |
| **Molecular Weight** | 40,208 Da |
| **Tag Information** | This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information. |
| **Sterility** | Sterile filter available upon request. |
| **Endotoxin** | Low endotoxin available upon request. |
| **3D Structure** | ModBase 3D Structure for O42281 |
| **Species** | Gallus gallus (Chicken) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for PRPH2 recombinant protein** | MBS7056713 is a recombinant protein targeting PRPH2. Also known as Recombinant Chicken Peripherin-2 (PRPH2), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of PRPH2 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PRPH2. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 45384290 |
| **NCBI GeneID** | 395899 |
| **NCBI Accession #** | NP_990369.1 |
| **UniProt Primary Accession #** | O42281 |
| **UniProt Related Accession #** | O42281 |
| **GenBank Nucleotide #** | NM_205038.1 |
| **NCBI Official Full Name** | peripherin-2 |
| **NCBI Official Synonym Full Names** | peripherin 2 |
| **NCBI Official Symbol** | PRPH2 |
| **NCBI Official Synonym Symbols** | RDS; CRDS1; peripherin-2 |

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| **UniProt Protein Name** | Peripherin-2 |
| **UniProt Synonym Protein Names** | CRDS1; Photoreceptor outer segment membrane glycoprotein 1; Retinal degeneration slow protein |
| **Protein Family** | Peripherin |
| **UniProt Gene Name** | PRPH2 |
| **UniProt Synonym Gene Names** | RDS |
| **NCBI Protein Information** | peripherin-2 |
| **UniProt Comments for PRPH2** | May function as an adhesion molecule involved in stabilization and compaction of outer segment disks or in the maintenance of the curvature of the rim. It is essential for disk morphogenesis (). |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
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