# Phosrestin-1 (ARR2) Drosophila Melanogaster Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Phosrestin-1 (Arr2), Recombinant Protein |
| **Full Product Name** | Recombinant Drosophila melanogaster Phosrestin-1 (Arr2) |
| **Product Gene Name** | Arr2 recombinant protein |
| **Sequence** | MVVSVKVFKK ATPNGKVTFY LGRRDFIDHI DYCDPVDGVI VVEPDYLKNR KVFGQLATTY RYGREEDEVM GVKFSKELIL CREQIVPMTN PNMEMTPMQE KLVRKLGSNA YPFTFHFPPN SPSSVTLQQE GDDNGKPLGV EYTIRAFVGD SEDDRQHKRS MVSLVIKKLQ YAPLNRGQRL PSSLVSKGFT FSNGKISLEV TLDREIYYHG EKTAATVQVS NNSKKSVKSI KCFIVQHTEI TMVNAQFSKH VAQLETKEGC PITPGANLTK TFYLIPLAAN NKDRHGIALD GHLKDEDVNL ASSTMVQEGK STGDACGIVI SYSVRIKLNC GTLGGEMQTD VPFKLLQPAP GTIEKKRSNA MKKMKSIEQH RNVKGYYQDD DDNIVFEDFA KMRMNNVNMA D |
| **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** | 45,029 Da |
| **Sequence Positions** | 1-401, Full length protein |
| **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 P19107 |
| **Species** | Drosophila melanogaster (Fruit fly) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for Arr2 recombinant protein** | MBS1015745 is a recombinant protein targeting Arr2. Also known as Recombinant Drosophila melanogaster Phosrestin-1 (Arr2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of Arr2 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 Arr2. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 17647171 |
| **NCBI GeneID** | 38993 |
| **NCBI Accession #** | NP_523976.1 |
| **UniProt Primary Accession #** | P19107 |
| **UniProt Secondary Accession #** | Q9VSN6 |

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| **UniProt Related Accession #** | P19107 |
| **GenBank Nucleotide #** | NM_079252.3 |
| **NCBI Official Full Name** | arrestin 2 |
| **NCBI Official Synonym Full Names** | Arrestin 2 |
| **NCBI Official Symbol** | Arr2 |
| **NCBI Official Synonym Symbols** | 49; AH; arr; Arr; Arr-2; arr2; ARR2; ArrB; ArrB-ml; CG5962; DAII; DmelCG5962; Dro.-Arr.II; PRI |
| **UniProt Protein Name** | Phosrestin-1 |
| **UniProt Synonym Protein Names** | 49 kDa arrestin-like protein; Arrestin-2; Arrestin-B; Phosrestin I |
| **Protein Family** | Arsenical-resistance protein |
| **UniProt Gene Name** | Arr2 |
| **UniProt Synonym Gene Names** | ArrB |
| **NCBI Protein Information** | CG5962 gene product from transcript CG5962-RA |
| **UniProt Comments for Arr2** | Probably plays an important role in the photoreceptor transduction. |
| **Research Articles on Arr2** | **1.** identify a previously uncharacterized enzyme of ecdysone biosynthesis, GstE14, and find that ecdysone triggers pri expression to define the onset of epidermal trichome development |
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