# Myosin-1 (MYO1), Partial (MYO1) Ashbya Gossypii Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Myosin-1 (MYO1), partial, Recombinant Protein |
| **Full Product Name** | Recombinant Ashbya gossypii Myosin-1 (MYO1), partial |
| **Product Gene Name** | MYO1 recombinant protein |
| **Product Synonym Gene Name** | MYO1; AEL306C |
| **Product Synonym Names** | Myosin-1; Class I unconventional myosin; Type I myosin |
| **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** | 143,575 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 Q758Q9 |
| **Species** | Ashbya gossypii (strain 10895 / CBS 109.51 / FGSC 9923 / NRRL Y-1056) (Yeast) (Eremothecium gossypii) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for MYO1 recombinant protein** | MBS1477989 is a recombinant protein targeting MYO1. Also known as Recombinant Ashbya gossypii Myosin-1 (MYO1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of MYO1 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 MYO1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 302307801 |
| **NCBI GeneID** | 4620729 |
| **NCBI Accession #** | NP_984554.2 |
| **UniProt Primary Accession #** | Q758Q9 |
| **UniProt Related Accession #** | Q758Q9 |
| **GenBank Nucleotide #** | NM_209907.2 |
| **NCBI Official Full Name** | AEL306Cp |
| **NCBI Official Symbol** | AGOS_AEL306C |

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| **UniProt Protein Name** | Myosin-1 |
| **UniProt Synonym Protein Names** | Class I unconventional myosin; Type I myosin |
| **UniProt Gene Name** | MYO1 |
| **UniProt Entry Name** | MYO1_ASHGO |
| **NCBI Protein Information** | AEL306Cp |
| **UniProt Comments for MYO1** | Type-I myosin implicated in the organization of the actin cytoskeleton. Required for proper actin cytoskeleton polarization. At the cell cortex, assembles in patch-like structures together with proteins from the actin-polymerizing machinery and promotes actin assembly. Functions as actin nucleation-promoting factor (NPF) for the Arp2/3 complex (). |
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