# Vacuolar Protein Sorting/Targeting Protein 10 (VPS10) Arthroderma Gypseum Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Vacuolar protein sorting/targeting protein 10 (VPS10), Recombinant Protein |
| **Full Product Name** | Recombinant Arthroderma gypseum Vacuolar protein sorting/targeting protein 10 (VPS10), partial |
| **Product Gene Name** | VPS10 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** | 166,610 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 E4UV76 |
| **Species** | Arthroderma gypseum (strain MYA-4604 / CBS 118893) (Microsporum gypseum) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for VPS10 recombinant protein** | MBS1236697 is a recombinant protein targeting VPS10. Also known as Recombinant Arthroderma gypseum Vacuolar protein sorting/targeting protein 10 (VPS10), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of VPS10 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 VPS10. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 315046478 |
| **NCBI GeneID** | 10027887 |
| **NCBI Accession #** | XP_003172614.1 |
| **UniProt Primary Accession #** | E4UV76 |
| **UniProt Related Accession #** | E4UV76 |
| **GenBank Nucleotide #** | XM_003172566.1 |
| **NCBI Official Full Name** | vacuolar protein sorting/targeting protein PEP1 |
| **NCBI Official Symbol** | MGYG_05206 |
| **UniProt Protein Name** | Vacuolar protein sorting/targeting protein 10 |

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| **UniProt Synonym Protein Names** | Carboxypeptidase Y receptor; CPY receptor; Sortilin VPS10; Vacuolar carboxypeptidase sorting receptor VPS10 |
| **Protein Family** | Vacuolar protein sorting/targeting protein |
| **UniProt Gene Name** | VPS10 |
| **UniProt Synonym Gene Names** | CPY receptor |
| **NCBI Protein Information** | vacuolar protein sorting/targeting protein PEP1 |
| **UniProt Comments for VPS10** | Functions as a sorting receptor in the Golgi compartment required for the intracellular sorting and delivery of soluble vacuolar proteins, like carboxypeptidase Y (CPY) and proteinase A. Executes multiple rounds of sorting by cycling between the late Golgi and a prevacuolar endosome-like compartment (). |
| **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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