# Sorting Nexin-6 (SNX6) Pongo Abelii Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Sorting nexin-6 (SNX6), Recombinant Protein |
| **Full Product Name** | Recombinant Pongo abelii Sorting nexin-6 (SNX6) |
| **Product Gene Name** | SNX6 recombinant protein |
| **Product Synonym Gene Name** | SNX6 |
| **Sequence** | MMEGLDDGPD FLSEEDRGLK AINVDLQSDA ALQVDISDAL SERDKVKFTV HTKSSLPNFK QNEFSVVRQH EEFIWLHDSF VENEDYAGYI IPPAPPRPDF DASREKLQKL GEGEGSMTKE EFTKMKQELE AEYLAIFKKT VAMHEVFLCR VAAHPILRKD LNFHVFLEYN QDLSVRGKNK KEKLEDFFKN MVKSADGVIV SGVKDVDDFF EHERTFLLEY HNRVKDASAK SDRMTRSHKS AADDYNRIGS SLYALGTQDS TDICKFFLKV SELFDKTRKI EARVSADEDL KLSDLLKYYL RESQAAKDLL YRRSRSLVDY ENANKALDKA RAKNKDVLQA ETSQQLCCQK FEKISESAKQ ELIDFKTRRV AAFRKNLVEL AELELKHAKG NLQLLQNCLA VLNGDT |
| **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** | 46,621 Da |
| **Sequence Positions** | 1-406, 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 Q5R613 |
| **Species** | Pongo abelii (Sumatran orangutan) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for SNX6 recombinant protein** | MBS1367726 is a recombinant protein targeting SNX6. Also known as Recombinant Pongo abelii Sorting nexin-6 (SNX6). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of SNX6 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 SNX6. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 197097998 |
| **NCBI GeneID** | 100173633 |
| **NCBI Accession #** | NP_001126635.1 |
| **UniProt Primary Accession #** | Q5R613 |

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| **UniProt Related Accession #** | Q5R613 |
| **GenBank Nucleotide #** | NM_001133163.1 |
| **NCBI Official Full Name** | sorting nexin-6 |
| **NCBI Official Symbol** | SNX6 |
| **UniProt Protein Name** | Sorting nexin-6 |
| **Protein Family** | Sorting nexin |
| **UniProt Gene Name** | SNX6 |
| **NCBI Protein Information** | sorting nexin-6 |
| **UniProt Comments for SNX6** | Involved in several stages of intracellular trafficking. Interacts with membranes phosphatidylinositol 3,4-bisphosphate and/or phosphatidylinositol 4,5-bisphosphate (Probable). Acts in part as component of the retromer membrane-deforming SNX-BAR subcomplex. The SNX-BAR retromer mediates retrograde transport of cargo proteins from endosomes to the trans-Golgi network (TGN) and is involved in endosome-to-plasma membrane transport for cargo protein recycling. The SNX-BAR subcomplex functions to deform the donor membrane into a tubular profile called endosome-to-TGN transport carrier (ETC). Does not have in vitro vesicle-to-membrane remodeling activity. Involved in retrograde endosome-to-TGN transport of lysosomal enzyme receptor IGF2R. May function as link between transport vesicles and dynactin. Negatively regulates retrograde transport of BACE1 from the cell surface to the trans-Golgi network. Involved in E-cadherin sorting and degradation; inhibits PIP5K1C-mediated E-cadherin degradation. In association with GIT1 involved in EGFR degradation. Promotes lysosomal degradation of CDKN1B. May contribute to transcription regulation (). |
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