Aquaporin-1 (AQY1) Saccharomyces Cerevisiae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Aquaporin-1 (AQY1), Recombinant Protein
Full Product Name	Recombinant Saccharomyces cerevisiae Aquaporin-1 (AQY1)
Product Gene Name	AQY1 recombinant protein
Product Synonym Gene Name	AQY1; EC1118_1P2_5391g
Product Synonym Names	Recombinant Aquaporin-1 (AQY1); Aquaporin-1
Sequence	MSSNDSNDTD KQHTRLDPTG VDDAYIPPEQ PETKHHRFKI SKDTLRNHFI AAAGEFCGTF MFLWCAYVIC NVANHDVALV AAPDGSHPGQ LIMIAIGFGF SVMFSIWCFA GVSGGALNPA VSLSLCLARA VSPTRCVVMW VSQIVAGMAA GGAASAMTPG EVLFANSLGL GCSRTRGLFL EMFGTAILCL TVLMTAVEKR ETNFMAALPI GISLFIAHVA LTAYTGTGVN PARSLGAAVA ARYFPHYHWI YWIGPLLGSI LAWSVWQLLQ ILDYTTYVTA EKAASTKEKA QKKVKPAVPL LWLKSNFSLL FFISRSLALN VIIFGKN
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 degree C. For extended storage, store at -20 or -80 degree C.
Molecular Weight	35,343 Da
Sequence Positions	1-327
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 C8ZJM1
Species	Saccharomyces cerevisiae (strain Lalvin EC1118 / Prise de mousse) (Baker's yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for AQY1 recombinant protein	MBS1165513 is a recombinant protein targeting AQY1. Also known as Recombinant Saccharomyces cerevisiae Aquaporin-1 (AQY1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of AQY1 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 AQY1. It may not necessarily be applicable to this product.

UniProt Primary Accession #	C8ZJM1
UniProt Protein Name	Aquaporin-1
Protein Family	Aquaporin
UniProt Gene Name	AQY1

UniProt Entry Name	AQY1_YEAS8
UniProt Comments for AQY1	Function: Water channel required to facilitate the transport of water across membranes. Involved in sporulation, freeze tolerance and osmotolerance. Is non-functional in most laboratory strains. Subcellular location: Endoplasmic reticulum membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein. Developmental stage: Expressed in spores. Domain: Aquaporins contain two tandem repeats each containing three membrane-spanning domains and a pore-forming loop with the signature motif Asn-Pro-Ala (NPA). Sequence similarities: Belongs to the MIP/aquaporin (TC 1.A.8) family. [View classification]
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