78 Kda Glucose-Regulated Protein (LOC100533358) Aplysia Californica Recombinant Protein

PRODUCT OVERVIEW

Product Name	78 kDa glucose-regulated protein (LOC100533358), Recombinant Protein
Full Product Name	Recombinant Aplysia californica 78 kDa glucose-regulated protein, partial
Product Gene Name	LOC100533358 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	73,698 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 Q16956
Species	Aplysia californica (California sea hare)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for LOC100533358 recombinant protein	MBS1422505 is a recombinant protein targeting LOC100533358. Also known as Recombinant Aplysia californica 78 kDa glucose-regulated protein, partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of LOC100533358 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 LOC100533358. It may not necessarily be applicable to this product.

NCBI GI #	325297144
NCBI GeneID	100533358
NCBI Accession #	NP_001191581.1
UniProt Primary Accession #	Q16956
UniProt Related Accession #	Q16956
GenBank Nucleotide #	NM_001204652.1
NCBI Official Full Name	78 kDa glucose-regulated protein
NCBI Official Symbol	LOC100533358
NCBI Official Synonym Symbols	BiP; GRP-78

UniProt Protein Name	Endoplasmic reticulum chaperone BiP
UniProt Synonym Protein Names	Immunoglobulin heavy chain-binding protein homolog
Protein Family	78 kDa glucose-regulated protein
UniProt Gene Name	BiPCurated
UniProt Synonym Gene Names	BiPCurated
NCBI Protein Information	endoplasmic reticulum chaperone BiP
UniProt Comments for LOC100533358	Probably plays a role in facilitating the assembly of multimeric protein complexes inside the ER. Is required for secretory polypeptide translocation. May physically associate with SEC63 protein in the endoplasmic reticulum and this interaction may be regulated by ATP hydrolysis.
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