Calcium-Dependent Secretion Activator (unc-31) Caenorhabditis Briggsae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Calcium-dependent secretion activator (unc-31), Recombinant Protein
Full Product Name	Recombinant Caenorhabditis briggsae Calcium-dependent secretion activator (unc-31), partial
Product Gene Name	unc-31 recombinant protein
Product Synonym Gene Name	unc-31
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	154,108 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 Q60PC0
Species	Caenorhabditis briggsae
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for unc-31 recombinant protein	MBS1422832 is a recombinant protein targeting unc-31. Also known as Recombinant Caenorhabditis briggsae Calcium-dependent secretion activator (unc-31), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of unc-31 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 unc-31. It may not necessarily be applicable to this product.

NCBI GI #	259016365
NCBI Accession #	Q60PC0.3
UniProt Primary Accession #	Q60PC0
UniProt Secondary Accession #	A8Y216
NCBI Official Full Name	Calcium-dependent secretion activator
UniProt Protein Name	Calcium-dependent secretion activator
UniProt Synonym Protein Names	Uncoordinated protein 31
UniProt Gene Name	unc-31

UniProt Comments for unc-31	Calcium-binding protein involved in exocytosis of vesicles filled with neurotransmitters and neuropeptides. Probably acts upstream of fusion in the biogenesis or maintenance of mature secretory vesicles. May specifically mediate the Ca2+-dependent exocytosis of large dense-core vesicles (DCVs) and other dense-core vesicles. Specifically required to activate the neuronal G-alpha pathway. Functions with G-alpha proteins from the same motor neurons to regulate locomotion. Involved in regulating entry into quiescence triggered by satiety. Probably by regulating neuronal transmission downstream of lin-3 and receptor lin-23 and phospholipase plc-3 and upstream of innexin unc-7 and egl-4/PKG in ALA neurons, involved in the decrease in pharyngeal pumping during the quiescent state that precedes each larval molt. Plays a role in octopamine signaling and specifically, the octopamine inhibition of aversion responses in olfactory sensory neurons. Probably by controlling the secretion of FLP neuropeptides, regulates the turning step of male mating behavior.
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