Chondroitin Proteoglycan 1 (cpg-1) Caenorhabditis Briggsae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Chondroitin proteoglycan 1 (cpg-1), Recombinant Protein
Full Product Name	Recombinant Caenorhabditis briggsae Chondroitin proteoglycan 1 (cpg-1), partial
Product Gene Name	cpg-1 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	73,321 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 A8WVU7
Species	Caenorhabditis briggsae
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for cpg-1 recombinant protein	MBS1251194 is a recombinant protein targeting cpg-1. Also known as Recombinant Caenorhabditis briggsae Chondroitin proteoglycan 1 (cpg-1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of cpg-1 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 cpg-1. It may not necessarily be applicable to this product.

NCBI GI #	268565219
NCBI GeneID	8581366
NCBI Accession #	XP_002639373.1
UniProt Primary Accession #	A8WVU7
UniProt Related Accession #	A8WVU7
GenBank Nucleotide #	XM_002639327.1
NCBI Official Full Name	C. briggsae CBR-CEJ-1 protein
NCBI Official Symbol	Cbr-cej-1
UniProt Protein Name	Chondroitin proteoglycan 1
UniProt Synonym Protein Names	Cell junction protein 1; Cytokinesis protein cej-1

Protein Family	Chondroitin proteoglycan
UniProt Gene Name	cpg-1
NCBI Protein Information	C. briggsae CBR-CEJ-1 protein
UniProt Comments for cpg-1	Required for polar body extrusion during cytokinesis in embryo development. Affects cortical granule size. Shown to have roles in meiotic chromosome segregation, osmotic barrier function and polarization in conjunction with cpg-2. Binds chitin ().
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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