Cell Death Abnormality Protein 1 (ced-1) Caenorhabditis Elegans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cell death abnormality protein 1 (ced-1), Recombinant Protein
Full Product Name	Recombinant Caenorhabditis elegans Cell death abnormality protein 1 (ced-1), partial
Product Gene Name	ced-1 recombinant protein
Product Synonym Gene Name	ced-1
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	5,762 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 Q9XWD6
Species	Caenorhabditis elegans
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ced-1 recombinant protein	MBS1341126 is a recombinant protein targeting ced-1. Also known as Recombinant Caenorhabditis elegans Cell death abnormality protein 1 (ced-1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ced-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 ced-1. It may not necessarily be applicable to this product.

NCBI GI #	71994810
NCBI GeneID	173064
NCBI Accession #	NP_001021772.1
UniProt Primary Accession #	Q9XWD6
UniProt Secondary Accession #	Q0E7J9; Q8T3A6; Q8T3A7
UniProt Related Accession #	Q9XWD6
GenBank Nucleotide #	NM_001026601.3
NCBI Official Full Name	Cell death abnormality protein 1
NCBI Official Symbol	ced-1

UniProt Protein Name	Cell death abnormality protein 1
Protein Family	Cell death abnormality protein
UniProt Gene Name	ced-1
NCBI Protein Information	Cell death abnormality protein 1
UniProt Comments for ced-1	Involved in programmed cell death, also called apoptosis, in both somatic and germ cells (PubMed:11163239, PubMed:6857247, PubMed:1936965, PubMed:15744306, PubMed:16740477, PubMed:18351800, PubMed:26598553, PubMed:27650246). Acts by recruiting ced-6 to phagosomes which enables actin-dependent cytoskeletal reorganization and subsequent engulfment of the apoptotic cell corpse (PubMed:15744306). Has a role in the association of ppk-3 and rab-7 with the phagosomal surface which is necessary for the incorporation of lysosomes to phagosomes during phagosome maturation (PubMed:16740477, PubMed:18351800). Activates the expression of unfolded protein response genes, which are involved in the immune response to live bacteria (PubMed:18606143).
Research Articles on ced-1	**1.** The formation of such halos depends on the integrins PAT-2/PAT-3, UNC-112 and the GEF protein UIG-1, but not on the canonical ced-1/6/7 or ced-2/5/12 signaling modules.
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