Lon Protease (lon) Methylocella Silvestris Recombinant Protein

PRODUCT OVERVIEW

Product Name	Lon protease (lon), Recombinant Protein
Full Product Name	Recombinant Methylocella silvestris Lon protease (lon), partial
Product Gene Name	lon 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	88,383 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 B8EMF2
Species	Methylocella silvestris (strain BL2 / DSM 15510 / NCIMB 13906)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for lon recombinant protein	MBS1149356 is a recombinant protein targeting lon. Also known as Recombinant Methylocella silvestris Lon protease (lon), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of lon 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 lon. It may not necessarily be applicable to this product.

NCBI GI #	501587863
NCBI Accession #	WP_012592149.1
UniProt Primary Accession #	B8EMF2
GenBank Nucleotide #	WP_012592149.1
NCBI Official Full Name	Lon protease
UniProt Protein Name	Lon protease
UniProt Synonym Protein Names	ATP-dependent protease La
Protein Family	Lon protease
UniProt Gene Name	lon

UniProt Comments for lon	ATP-dependent serine protease that mediates the selective degradation of mutant and abnormal proteins as well as certain short-lived regulatory proteins. Required for cellular homeostasis and for survival from DNA damage and developmental changes induced by stress. Degrades polypeptides processively to yield small peptide fragments that are 5 to 10 amino acids long. Binds to DNA in a double-stranded, site-specific manner.
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