Derlin-1 (DERL1) Pongo Abelii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Derlin-1 (DERL1), Recombinant Protein
Full Product Name	Recombinant Pongo abelii Derlin-1 (DERL1), partial
Product Gene Name	DERL1 recombinant protein
Product Synonym Gene Name	DERL1
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	28,810 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 Q5R9W3
Species	Pongo abelii (Sumatran orangutan)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for DERL1 recombinant protein	MBS7083908 is a recombinant protein targeting DERL1. Also known as Recombinant Pongo abelii Derlin-1 (DERL1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of DERL1 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 DERL1. It may not necessarily be applicable to this product.

NCBI GI #	197099887
NCBI GeneID	100172781
NCBI Accession #	NP_001125851.1
UniProt Primary Accession #	Q5R9W3
UniProt Related Accession #	Q5R9W3
GenBank Nucleotide #	NM_001132379.1
NCBI Official Full Name	derlin-1
NCBI Official Symbol	DERL1
NCBI Official Synonym Symbols	Derlin-1

UniProt Protein Name	Derlin-1
UniProt Synonym Protein Names	Der1-like protein 1
Protein Family	Probable derlin
UniProt Gene Name	DERL1
NCBI Protein Information	derlin-1
UniProt Comments for DERL1	Functional component of endoplasmic reticulum-associated degradation (ERAD) for misfolded lumenal proteins. May act by forming a channel that allows the retrotranslocation of misfolded proteins into the cytosol where they are ubiquitinated and degraded by the proteasome. May mediate the interaction between VCP and the misfolded protein. Also involved in endoplasmic reticulum stress-induced pre-emptive quality control, a mechanism that selectively attenuates the translocation of newly synthesized proteins into the endoplasmic reticulum and reroutes them to the cytosol for proteasomal degradation.
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