DERL3 Peptide - Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	DERL3, Blocking Peptide
Full Product Name	DERL3 Peptide - middle region
Product Gene Name	DERL3 blocking peptide
Product Synonym Gene Name	C22orf14; IZP6; LLN2; MGC71803; derlin-3
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	DERL3 peptide (MBS3232339) is used for blocking the activity of DERL3 antibody (MBS3207374)
Molecular Weight	27kDa
OMIM	610305
Product Categories/Family for DERL3 blocking peptide	Peptide
Applications Tested/Suitable for DERL3 blocking peptide	Western Blot (WB)
Related Product Information for DERL3 blocking peptide	This is a synthetic peptide designed for use in combination with anti-DERL3 antibody made Target Description: DERL3 belongs to the derlin family, and resides in the endoplasmic reticulum (ER). Proteins that are unfolded or misfolded in the ER must be refolded or degraded to maintain the homeostasis of the ER. This protein appears to be involved in the degradation of misfolded glycoproteins in the ER. Several alternatively spliced transcript variants encoding different isoforms have been identified for this gene.
Other Notes	Small volumes of DERL3 blocking peptide 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.
Searchable Terms for DERL3 purchase	MBS3232339 is a blocking peptide targeting DERL3. Also known as DERL3 Peptide - middle region.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DERL3. It may not necessarily be applicable to this product.

NCBI GI #	50845411
NCBI GeneID	91319
NCBI Accession #	NP_001002862
UniProt Primary Accession #	Q96Q80
UniProt Related Accession #	Q96Q80
GenBank Nucleotide #	NM_001002862
NCBI Official Full Name	derlin-3 isoform 2
NCBI Official Synonym Full Names	derlin 3
NCBI Official Symbol	DERL3

NCBI Official Synonym Symbols	IZP6; LLN2; C22orf14; derlin-3
UniProt Protein Name	Derlin-3
UniProt Synonym Protein Names	Degradation in endoplasmic reticulum protein 3; DERtrin-3; Der1-like protein 3
Protein Family	Derlin
UniProt Gene Name	DERL3
UniProt Synonym Gene Names	C22orf14; DER3; LLN2; DERtrin-3
UniProt Entry Name	DERL3_HUMAN
NCBI Protein Information	derlin-3
NCBI Summary for DERL3	The protein encoded by this gene belongs to the derlin family, and resides in the endoplasmic reticulum (ER). Proteins that are unfolded or misfolded in the ER must be refolded or degraded to maintain the homeostasis of the ER. This protein appears to be involved in the degradation of misfolded glycoproteins in the ER. Several alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Oct 2008]
UniProt Comments for DERL3	DERL3: Functional component of endoplasmic reticulum-associated degradation (ERAD) for misfolded lumenal glycoproteins, but not that of misfolded nonglycoproteins. May act by forming a channel that allows the retrotranslocation of misfolded glycoproteins into the cytosol where they are ubiquitinated and degraded by the proteasome. May mediate the interaction between VCP and the degradation substrate. Belongs to the derlin family. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 22q11.23 Cellular Component: integral to endoplasmic reticulum membrane Molecular Function: protein binding Biological Process: ER-associated protein catabolic process; unfolded protein response; protein amino acid N-linked glycosylation via asparagine
Research Articles on DERL3	**1.** DERL3 promotes malignant phenotype in BC cells.
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