Datasheet for ABIN7547070

Der1-Like Domain Family, Member 2 (DERL2) (AA 1-239) protein (His tag)

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Overview

Quantity:	1 mg
Target:	Der1-Like Domain Family, Member 2 (DERL2)
Protein Characteristics:	AA 1-239
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

Product Details

Purpose:	Custom-made recombinant DERL2 Protein expressed in mammalian cells.
Sequence:	MAYQSLRLEY LQIPPVSRAY TTACVLTTAA VQLELITPFQ LYFNPELIFK HFQIWRLITN FLFFGPVGFN FLFNMIFLYR YCRMLEEGSF RGRTADFVFM FLFGGFLMTL FGLFVSLVFL GQAFTIMLVY VWSRRNPYVR MNFFGLLNFQ APFLPWVLMG FSLLLGNSII VDLLGIAVGH IYFFLEDVFP NQPGGIRILK TPSILKAIFD TPDEDPNYNP LPEERPGGFA WGEGQRLGG **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts.

Product Details

	• Protein expressed in mammalian cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	Der1-Like Domain Family, Member 2 (DERL2)
Alternative Name:	DERL2 (DERL2 Products)
Background:	Derlin-2 (Degradation in endoplasmic reticulum protein 2) (DERtrin-2) (Der1-like protein 2) (F-LAN-1) (F-LANa),FUNCTION: 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 misfolded glycoproteins (PubMed:16186509, PubMed:16449189). May also be 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 (PubMed:26565908). {ECO:0000269|PubMed:16186509, ECO:0000269|PubMed:16449189, ECO:0000269|PubMed:26565908}., FUNCTION: (Microbial infection) In contrast to DERL1, it is not involved in the degradation of MHC class I heavy chains following infection by cytomegaloviruses. {ECO:0000269|PubMed:15215855}.
Molecular Weight:	27.6 kDa

Target Details

UniProt:	Q9GZP9
Pathways:	ER-Nucleus Signaling, Feeding Behaviour

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months

