

Datasheet for ABIN7547425
KDEL2 Protein (AA 1-212) (His tag)



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Overview

Quantity:	1 mg
Target:	KDEL2
Protein Characteristics:	AA 1-212
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KDEL2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant KDEL2 Protein expressed in mammalian cells.
Sequence:	MNIFRLTGDL SHLAAIVILL LKIWKTRSCA GISGKSQLLF ALVFTTRYLD LFTSFISLYN TSMKVIYLAC SYATVYLIYL KFKATYDGNH DTFRVEFLVW PVGGLSFLVN HDFSPLEILW TFSIYLESVA ILPQLFMISK TGEAETITTH YLFFLGLYRA LYLNVIIWRF YFEGFFDLIA VVAGVVQTIL YCDDFFLYIT KVLKGKKLSL PA 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: <ul style="list-style-type: none">• 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:	KDEL2
Alternative Name:	KDEL2 (KDEL2 Products)
Background:	ER lumen protein-retaining receptor 2 (ERD2-like protein 1) (ELP-1) (KDEL endoplasmic reticulum protein retention receptor 2) (KDEL receptor 2),FUNCTION: Membrane receptor that binds the K-D-E-L sequence motif in the C-terminal part of endoplasmic reticulum resident proteins and maintains their localization in that compartment by participating to their vesicle-mediated recycling back from the Golgi (PubMed:1325562, PubMed:18086916, PubMed:33053334). Binding is pH dependent, and is optimal at pH 5-5.4 (By similarity). {ECO:0000250 UniProtKB:Q5ZKX9, ECO:0000269 PubMed:1325562, ECO:0000269 PubMed:18086916, ECO:0000269 PubMed:33053334}.
Molecular Weight:	24.4 kDa
UniProt:	P33947
Pathways:	Maintenance of Protein Location

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for
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Application Details

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
