

Datasheet for ABIN7564872

EDEM1 Protein (AA 1-652) (His tag)



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Overview

Quantity:	1 mg
Target:	EDEM1
Protein Characteristics:	AA 1-652
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EDEM1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Edem1 Protein expressed in mammalian cells.
Sequence:	<p>MQWRALVLGL VLLRLGLHAV LWLVFGLGPS MGFYQRFPLS FGFQRLRDPD GSGPVGPPGG</p> <p>PAWLHRPRRG TEGRLETPE PGPTPGPGVC GPAHWGYALG GGGCGPDEYE RRYSGAFPPQ</p> <p>LRAQMRDLAR GMFVFGYDNY MAHAFQDEL NPIYCRGRGP DRGDPSNLNI NDVLGNYSLT</p> <p>LVDALDTLAI MGNSSFEQKA VKLVINTVSF DKDSTVQVFE ATIRVLGSLI SAHRIITDSK</p> <p>QPFGDMTIED YDNELLYMAH DLAVRLLPAF ENTKTGIPYP RVNLKTGVPP DSNNETCTAG</p> <p>AGSLLVEFGI LSRLLDGSTF EWVARRAVKA LWNLRSDNTG LLGNVNIQT GHWVGKQSGI</p> <p>GAGLDSFYEY LLKSYILFGE KEDLEMFNAA YQSIQSYLRR GREACNEGEG DPPLYVNVNM</p> <p>FSGQLMNTWI DSLQAFFPGL QVLIGDVEDA ICLHAFYYAI WKRYGALPER YNWQLQAPDV</p> <p>LFYPLRPELV ESTYLLYQAT KNPFYLVHGM DILQSLEKYT KVKCGYATLH HVIDKSKEDR</p> <p>MESFFLSETC KYLYLLFDEE NPVHKSGTRY MFTTEGHIIS VDKRLRELPH KEFFSEDGER</p> <p>DQEEKFVHRP KSQELRVINS SSNCNRVPDE RRYSLPLKSI YMRQIDQMVG LI Sequence without</p>

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.

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- 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, Western Blot

Grade:

custom-made

Target Details

Target:

EDEM1

Alternative Name:

Edem1 ([EDEM1 Products](#))

Background:

ER degradation-enhancing alpha-mannosidase-like protein 1,FUNCTION: Extracts misfolded glycoproteins, but not glycoproteins undergoing productive folding, from the calnexin cycle. It is directly involved in endoplasmic reticulum-associated degradation (ERAD) and targets misfolded glycoproteins for degradation in an N-glycan-independent manner, probably by forming a complex with SEL1L. It has low mannosidase activity, catalyzing mannose trimming from Man8GlcNAc2 to Man7GlcNAc2. {ECO:0000250|UniProtKB:Q92611, ECO:0000269|PubMed:11375934}.

Molecular Weight:

73.7 kDa

UniProt:

[Q925U4](#)

Target Details

Pathways: [ER-Nucleus Signaling](#)

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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