

Datasheet for ABIN7545033
UFC1 Protein (AA 1-167) (His tag)



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Overview

Quantity:	1 mg
Target:	UFC1
Protein Characteristics:	AA 1-167
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This UFC1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant UFC1 Protein expressed in mammalian cells.
Sequence:	MADEATRRVV SEIPVLKTNA GPRDRELWVQ RLKEEYQSLI RYVENNKNAD NDWFRLESNK EGTRWFGKCW YIHDLLKYEF DIEFDIPITY PTTAPEIAVP ELDGKTAKMY RGGKICLTDH FKPLWARNVP KFGLAHLMAL GLGPWLAVEI PDLIQKGVQ HKEKCNQ 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. • Protein expressed in mammalian cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and

Product Details

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)
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Grade:	custom-made
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Target Details

Target:	UFC1
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Alternative Name:	UFC1 (UFC1 Products)
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Background:	Ubiquitin-fold modifier-conjugating enzyme 1 (Ufm1-conjugating enzyme 1),FUNCTION: E1-like enzyme which specifically catalyzes the second step in ufmylation (PubMed:15071506, PubMed:29868776). Accepts the ubiquitin-like modifier UFM1 from the E1 enzyme UBA5 and forms an intermediate with UFM1 via a thioester linkage (PubMed:15071506, PubMed:29868776). Ufmylation is involved in reticulophagy (also called ER-phagy) induced in response to endoplasmic reticulum stress (PubMed:32160526). {ECO:0000269 PubMed:15071506, ECO:0000269 PubMed:29868776, ECO:0000269 PubMed:32160526}.
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Molecular Weight:	19.5 kDa
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UniProt:	Q9Y3C8
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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.
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Restrictions:	For Research Use only
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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