Datasheet for ABIN7561233

EFCAB9 Protein (AA 1-216) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	EFCAB9
Protein Characteristics:	AA 1-216
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EFCAB9 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Efcab9 Protein expressed in mammalian cells.
Sequence:	MKLTPGCFLW YLYMDKIYCL LSLRNVKALM VYFHLLDVHH RNTLNDVLFF HFLQHVTNLN KSQIGMIFDL LDWTAVGEIG FDQFYVLICI LLAHQDHLED HFMYRHSRPV FELLDLDGEM NIGAANFQNY RFLFNIKKQE LRDLFHDFDI TGDRLLNYKE FKLYTIFCTD KSIDRKKRRK DREAAREREK EKGKDKEKYL HLKKIYSSML SHRSIL **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:	EFCAB9
Alternative Name:	Efcab9 (EFCAB9 Products)
Background:	EF-hand calcium-binding domain-containing protein 9,FUNCTION: Auxiliary component of the CatSper complex, a complex involved in sperm cell hyperactivation (PubMed:34225353, PubMed:31056283). pH -dependent Ca(2+) sensor required to activate the CatSper channel (PubMed:31056283). Sperm cell hyperactivation is needed for sperm motility which is essential late in the preparation of sperm for fertilization (PubMed:31056283). Associates with the CatSper complex via direct interaction with CATSPERZ, and senses intracellular Ca(2+) (PubMed:31056283). Together with CATSPERZ, associates with the CatSper channel pore and is required for the two-row structure of each single CatSper channel (PubMed:31056283). {ECO:0000269|PubMed:31056283, ECO:0000269|PubMed:34225353}.
Molecular Weight:	26.1 kDa
UniProt:	Q9DAM2

Application Details

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

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