

Product datasheet

Recombinant Human FUNDC1 protein ab165435

1 Image

Description	
Product name	Recombinant Human FUNDC1 protein
Expression system	Wheat germ
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MATRNPPPQDYESDDDSYEVLDLTEYARRHQWWNRVFG HSSGPMVEKYSV ATQIVMGGVTGWCAGFLFQKVGKLAATAVGGGFLLLQIAS HSGYVQIDWK RVEKDVNKAKRQIKKRANKAAPEINNLEEATEFIKQNVISS GFVGGFL LGLAS
Amino acids	1 to 155
Tags	GST tag N-Terminus

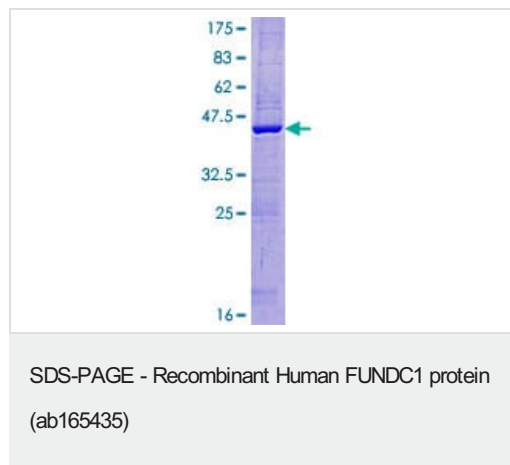
Specifications	
Our Abpromise guarantee covers the use of ab165435 in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
Applications	ELISA Western blot
Form	Liquid
Additional notes	

Preparation and Storage	
Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function	Acts as an activator of hypoxia-induced mitophagy, an important mechanism for mitochondrial quality control.
Tissue specificity	Widely expressed.
Sequence similarities	Belongs to the FUN14 family.
Domain	The YXXL motif mediates the interaction with MAP1 LC3 family proteins MAP1LC3A, MAP1LC3B and GABARAP (PubMed:22267086).
Post-translational modifications	Phosphorylation at Tyr-18 by SRC inhibits activation of mitophagy. Following hypoxia, dephosphorylated at Tyr-18, leading to interaction with MAP1 LC3 family proteins and triggering mitophagy.
Cellular localization	Mitochondrion outer membrane.

Images



ab165435 on a 12.5% SDS-PAGE stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
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