

Datasheet for ABIN7552617

Filensin Protein (AA 1-665) (His tag)



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Overview

Quantity:	1 mg
Target:	Filensin (BFSP1)
Protein Characteristics:	AA 1-665
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Filensin protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat BFSP1 Protein expressed in mammalian cells.
Sequence:	<p>MYRRSYVFQT RKEQYEHAE ASRAAEPERP ADEGWAGATS LAALQQLGER VAAHVQRARA</p> <p>LEQRHAGLRR QLDAFQRLGE LAGPEDALAR QVESNRQVR DLEAERARLE RQGTEAQRAL</p> <p>DEFRSKYENE CECQLLLKEM LERLNKEADE ALLHNLRLQL EAQFLQDDIS AAKDRHKKNL</p> <p>LEVQTYISIL QQIIHTTPPA SIVTSGMREE KLLTEREVAA LRSQLEEGRE VLSHLQAQRV</p> <p>ELQAQTTTLE QAIKSAHECY DDEIQLYNEQ IETLRKEIEE TERVLEKSSY DCRQLAVAQQ</p> <p>TLKNELDRYH RIIIEGNRL TSFIETPIP LFTQSHGVSL STGSGGKDLT RALQDITAAK</p> <p>PRQKALPKNV PRRKEITKD KTNGALEDAP LKGLDTKLV QVVLKEESES KFESESKEVS</p> <p>PLTQEGAPED VPDGGQISKG FGKLYRKVKE KVRSPKEPET PTELYTKERH VLVTGDANYV</p> <p>DPRFYVSSIT AKGGVAVSVA EDSVLYDGQV EPSPEPKPP LENGQVGLQE KEDGQPIDQQ</p> <p>PIDKEIEPDG AELEGPEEK R EGEERDEES RPCAMVTPGA EEPSIPEPPK PAADQDGAEV</p> <p>LGTRSRSLPE KGPPKALAYK TVEVVESEK ISTESIQTIE ETAVIVETMI GKTKSDKKKS GEKSS</p>

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.

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:

Filensin (BFSP1)

Alternative Name:

BFSP1 ([BFSP1 Products](#))

Background:

Filensin (Beaded filament structural protein 1) (Lens fiber cell beaded-filament structural protein CP 115) (CP115) (Lens intermediate filament-like heavy) (LIFL-H) [Cleaved into: Filensin C-terminal fragment, Filensin N-terminal fragment], FUNCTION: Required for the correct formation of lens intermediate filaments as part of a complex composed of BFSP1, BFSP2 and CRYAA (PubMed:28935373). Involved in altering the calcium regulation of MIP water permeability (PubMed:30790544). {ECO:0000269|PubMed:28935373, ECO:0000269|PubMed:30790544}.

Molecular Weight:

74.5 kDa

UniProt:

[Q12934](#)

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.
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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