

Datasheet for ABIN7557956

BFSP2 Protein (AA 1-416) (His tag)



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Overview

Quantity:	1 mg
Target:	BFSP2
Protein Characteristics:	AA 1-416
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BFSP2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Bfsp2 Protein expressed in mammalien cells.
Sequence:	<p>MSKRRVAADL PSGTNSSMPV QRHRVSSLRG THSPSSLDSP PASRTSAVGS LVRAPGVYVG</p> <p>VAPSGGIGGL GARVTRRALG ISSVFLQGLR SSGLANVPAP GPERDHTTVE DLGGCLVEYM</p> <p>TKVHALEQVS QELETQLRAH LESKAKSSGG WDALRASWAS SYQQVGEAVL ENARLLLQME</p> <p>TIQAGADDFK ERYENEQPFK KAAEEEEVSSL YKVIDEANLT KTDLEHQIES LKEELGFLSR</p> <p>SYEEDVKVLY KQLAGSELEQ ADVPMGTGLD DVLETIRVQW ERDVEKNRAE AGALLQAKQQ</p> <p>TEVVHVSQTQ EEKLAAALSV ELHDTSRQVQ SLQAETESLR ALKRGLNSL HDAQHWHDM</p> <p>LQNLGAVVGR LEAELAEIRS ETEQQQGERA HLLACKSQLQ KDVASYHALL DREENN</p> <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.</p>
Characteristics:	Key Benefits:

Product Details

- 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
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Grade:	custom-made
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Target Details

Target:	BFSP2
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Alternative Name:	Bfsp2 (BFSP2 Products)
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Background:	Phakinin (49 kDa cytoskeletal protein) (Beaded filament structural protein 2) (Lens fiber cell beaded filament protein CP 47) (CP47) (Lens fiber cell beaded filament protein CP 49) (CP49) (Lens intermediate filament-like light) (LIFL-L),FUNCTION: Required for the correct formation of lens intermediate filaments as part of a complex composed of BFSP1, BFSP2 and CRYAA (PubMed:15037121, PubMed:27559293). Plays a role in maintenance of retinal lens optical clarity (PubMed:12454043). {ECO:0000269 PubMed:12454043, ECO:0000269 PubMed:15037121, ECO:0000269 PubMed:27559293}.
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Molecular Weight:	45.7 kDa
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UniProt:	Q6NVD9
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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
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Application Details

	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