

Datasheet for ABIN7555049
BVES Protein (AA 1-360) (His tag)



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Overview

Quantity:	1 mg
Target:	BVES
Protein Characteristics:	AA 1-360
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BVES protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant BVES Protein expressed in mammalian cells.
Sequence:	<p>MNYTESSPLR ESTAIGFTPE LESIIPVPSN KTTCCENWREI HHLVFHVANI CFAVGLVIPT TLHLHMIFLR GMLTLGCTLY IWWATLYRCA LDIMIWNVSF LGVNIHLHSY LLYKKRPVKI EKELSGMYRR LFEPLRVPPD LFRRLTGQFC MIQTLKKGQT YAAEDKTSVD DRLSILLKGGK MKVSYRGHFL HNIYPCAFID SPEFRSTQMH KGEKFQVTII ADDNCRFLCW SRERLTYFLE SEPFLEYEIFR YLIGKDITNK LYSLNDPTLN DKKAKKLEHQ LSLCTQISML EMRNSIASSS DSDDGLHQFL RGTSSMSSLH VSSPHQRASA KMKPIEEGAE DDDDFEPAS PNTLKVHQLP</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>
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:

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	BVES
Alternative Name:	BVES (BVES Products)
Background:	<p>Blood vessel epicardial substance (hBVES) (Popeye domain-containing protein 1) (Popeye protein 1),FUNCTION: Cell adhesion molecule involved in the establishment and/or maintenance of cell integrity. Involved in the formation and regulation of the tight junction (TJ) paracellular permeability barrier in epithelial cells (PubMed:16188940). Plays a role in VAMP3-mediated vesicular transport and recycling of different receptor molecules through its interaction with VAMP3. Plays a role in the regulation of cell shape and movement by modulating the Rho-family GTPase activity through its interaction with ARHGEF25/GEFT. Induces primordial adhesive contact and aggregation of epithelial cells in a Ca(2+)-independent manner. Also involved in striated muscle regeneration and repair and in the regulation of cell spreading (By similarity). Important for the maintenance of cardiac function. Plays a regulatory function in heart rate dynamics mediated, at least in part, through cAMP-binding and, probably, by increasing cell surface expression of the potassium channel KCNK2 and enhancing current density (PubMed:26642364). Is also a caveolae-associated protein important for the preservation of caveolae structural and functional integrity as well as for heart protection</p>

Target Details

against ischemia injury. {ECO:0000250|UniProtKB:Q5PQZ7, ECO:0000250|UniProtKB:Q9ES83, ECO:0000269|PubMed:16188940, ECO:0000269|PubMed:26642364}.

Molecular Weight: 41.5 kDa

UniProt: [Q8NE79](#)

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.

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