

Datasheet for ABIN7552693

BAG5 Protein (AA 1-447) (His tag)



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Overview

Quantity:	1 mg
Target:	BAG5
Protein Characteristics:	AA 1-447
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BAG5 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant BAG5 Protein expressed in mammalian cells.
Sequence:	MDMGNQHPSI SRLQEIQKEV KSVEQQVIGF SGLSDDKNYK KLERILTKQL FEIDSVDTEG KGDIQQARKR AAQETERLLK ELEQNaNHPH RIEIQNIFEE AQLSVREKIV PFYNGGNCVT DEFEEGIQDI ILRLTHVKTG GKISLRKARY HTLTKICAVQ EIIEDCMKKQ PSLPLSEDAH PSVAKINFVM CEVKNARGVL IALLMGVNNN ETCRHLSCVL SGLIADLDAL DVCGRTEIRN YRREVEDIN KLLKYLDLEE EADTTKAFDL RQNHSILKIE KVLKRMREIK NELLQAQNP ELYLSSKTEL QGLIGQLDEV SLEKNPCIRE ARRRVIEVQ TLITYIDLKE ALEKRKL FAC EEHPSHKAVW NVLGNLSEIQ GEVLSFDGNR TDKNYIRLEE LLTKQLLALD AVDPQGEEKC KAARKQAVRL AQNILSYLDL KSDEWEY 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.

Product Details

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: BAG5

Alternative Name: BAG5 ([BAG5 Products](#))

Background: BAG family molecular chaperone regulator 5 (BAG-5) (Bcl-2-associated athanogene 5),FUNCTION: Co-chaperone for HSP/HSP70 proteins. It functions as a nucleotide-exchange factor promoting the release of ADP from HSP70, thereby activating HSP70-mediated protein refolding (PubMed:20223214). Has an essential role in maintaining proteostasis at junctional membrane complexes (JMC), where it may function as a scaffold between the HSPA8 chaperone and JMC proteins enabling correct, HSPA8-dependent JMC protein folding (By similarity). Inhibits both auto-ubiquitination of PRKN and ubiquitination of target proteins by PRKN (By similarity). {ECO:0000250|UniProtKB:Q5QJC9, ECO:0000250|UniProtKB:Q8CI32, ECO:0000269|PubMed:20223214}.

Molecular Weight: 51.2 kDa

UniProt: [Q9UL15](#)

Pathways: [SARS-CoV-2 Protein Interactome](#)

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