

Datasheet for ABIN7559361

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



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Overview

Quantity:	1 mg
Target:	BAG5
Protein Characteristics:	AA 1-447
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BAG5 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Bag5 Protein expressed in mammalian cells.
Sequence:	<p>MDMGNQHPSI SRLQEIQREV KAIEPQVVG F SGLSDDKNYK RLERILTKQL FEIDSVDT EG</p> <p>KGDIQQARKR AAQETERLLK ELEQNANHPH RIEIQNIFKE AQALVKDKIV PFYSGGNCVT</p> <p>DEFEEGIQDI ILRLTHVKTG GKVSLRKARY RTLTKICAVQ EVIEDCMKKQ PSLPLSEVDH</p> <p>PSVAKINSVM CEV NKARGTL IALLMGVDSS ETCRHLSCVL SGLIADLDAL DVCGRTEIRN</p> <p>YRREVVEDIN KLLKYLDLEE EADSTHAFDL GQNHSIIKIE NVLKRMREIK NELLQAQSPP</p> <p>ELYLRAKTEL QGLIGQLDEV SLEKNPCIRE ARRAVIEVQ ILITYLDLKE ALEKRKLFP C</p> <p>EEHPPHKAVW EILGNLSEIL GEVLSFGGNR TDKNYIRLEE LLTKQLLALD AVDPQGEEKC</p> <p>KAARKQAVKL AQNILSYLDM 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.</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:	BAG5
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Alternative Name:	Bag5 (BAG5 Products)
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Background:	<p>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 (By similarity). 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 (PubMed:35044787). Inhibits both auto-ubiquitination of PRKN and ubiquitination of target proteins by PRKN (By similarity). {ECO:0000250 UniProtKB:Q5QJC9, ECO:0000250 UniProtKB:Q9UL15, ECO:0000269 PubMed:35044787}.</p>
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Molecular Weight:	50.9 kDa
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UniProt:	Q8CI32
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Pathways:	SARS-CoV-2 Protein Interactome
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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 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