

Datasheet for ABIN7552555
BAG1 Protein (AA 1-345) (His tag)



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Overview

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|-------------------------------|---|
| Quantity: | 1 mg |
| Target: | BAG1 |
| Protein Characteristics: | AA 1-345 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This BAG1 protein is labelled with His tag. |
| Application: | Western Blotting (WB), SDS-PAGE (SDS) |

Product Details

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| Purpose: | Custom-made recombinat BAG1 Protein expressed in mammalien cells. |
| Sequence: | MAQRGGARRP RGDRERLGSR LRALRPGREP RQSEPPAQRG PPPSGRPPAR STASGHDRPT RGAAGARRP RMKKKTRRRS TRSEELTRSE ELTLSEEATW SEEATQSEEA TQGEEMNRSQ EVTRDEESTR SEEVTREEEMA AAGLTVTVTH SNEKHDLHVT SQQGSSEPVV QDLAQVVEEV IGVPQSFQKL IFKGKSLKEM ETPLSALGIQ DGCRVMLIGK KNSPQEEVEL KCLKHLEKSV EKIADQLEEL NKELTGIQQG FLPKDLQAEA LCKLDRRVKA TIEQFMKILE EIDTLILPEN FKDSRLKRKG LVKKVQAFLA ECDTVEQNIC QETERLQSTN FALAE 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: |

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.

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| Purity: | > 90 % as determined by Bis-Tris Page, Western Blot |
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| Grade: | custom-made |
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Target Details

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| Target: | BAG1 |
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| Alternative Name: | BAG1 (BAG1 Products) |
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| Background: | <p>BAG family molecular chaperone regulator 1 (BAG-1) (Bcl-2-associated athanogene 1),FUNCTION: Co-chaperone for HSP70 and HSC70 chaperone proteins. Acts as a nucleotide-exchange factor (NEF) promoting the release of ADP from the HSP70 and HSC70 proteins thereby triggering client/substrate protein release. Nucleotide release is mediated via its binding to the nucleotide-binding domain (NBD) of HSPA8/HSC70 where as the substrate release is mediated via its binding to the substrate-binding domain (SBD) of HSPA8/HSC70 (PubMed:27474739, PubMed:9873016, PubMed:24318877). Inhibits the pro-apoptotic function of PPP1R15A, and has anti-apoptotic activity (PubMed:12724406). Markedly increases the anti-cell death function of BCL2 induced by various stimuli (PubMed:9305631). Involved in the STUB1-mediated proteasomal degradation of ESR1 in response to age-related circulating estradiol (17-beta-estradiol/E2) decline, thereby promotes neuronal apoptosis in response to ischemic reperfusion injury (By similarity). {ECO:0000250 UniProtKB:B0K019, ECO:0000269 PubMed:12724406, ECO:0000269 PubMed:24318877, ECO:0000269 PubMed:27474739, ECO:0000269 PubMed:9305631,</p> |
|-------------|---|

Target Details

ECO:0000269|PubMed:9873016}.

Molecular Weight: 38.8 kDa

UniProt: [Q99933](#)

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