

Datasheet for ABIN7552571

BAIAP3 Protein (AA 1-1187) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	BAIAP3
Protein Characteristics:	AA 1-1187
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BAIAP3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant BAIAP3 Protein expressed in mammalian cells.
Sequence:	<p>MRPRGAAFAA GPPGDLHLGT AIGFAGAIWR SRSPAMSTLL DIKSSVLRQV QVCPSFRRRT</p> <p>EQDPGSASAD PQEPATGAWK PGDGVEFFAH MRLMLKKGEG RQGLPCLEVP LRSGSPAPPE</p> <p>PVDPSLGLRA LAPEEVELY EEALYTVLYR AGTMGPDQVD DEEALLSYLQ QVFGTSLEEH</p> <p>TEAIERVRKA KAPTYALKVS VMRAKNLLAK DPNGFSDPYC MLGILPASDA TREPRAQKEQ</p> <p>RFGFRKGSKR GGPLPAKCIQ VTEVKSSTLN PVWKEHFLFE IEDVSTDQLH LDIWDHDDDV</p> <p>SLVEACRKLN EVIGLKGMGR YFKQIVKSAR ANGTAGPTED HTDDFLGCLN IPVREVPVAG</p> <p>VDRWFKLEPR SSASRVQGHC HVLVKLITTQ RDTAMSQRGR SGFLSHLLLL SHLLRLEHSA</p> <p>EENSSSWRG ELSTPAATIL CLHGAQSNLS PLQLAVLHWQ VSSRHHQTCT LDYSYLLGLL</p> <p>EDMQAHWEEA PSLPQEQEES LADSLSAFSE FGLQLLRQLR DYFPATNSTA VHRLELLKLC</p> <p>LGKLQLFQPS FEICPFESEL NMDIAAALKR GNREWYDRIL NDKSPREQPG PQRLPGLVVL</p> <p>ADAVYDDLQF CYSVYASLFH SILNVDVFTL TFRQLERLVA EEAWVLTEEL SPKMTLEVAS</p> <p>GLFELYTLA DLQRFWDSIP GRDSRSLALA GIHAPFLPAV KLWFQVLRDQ AKWRLQGAVD</p>

Product Details

MDTLEPVDAS SRHSSSAATA GLCLSHIQEL WVRLAWPDPA QAQGLGTQLG QDVCEATLFY
TELLRKKVDT QPGAAGEAVS EALCVVLNNV ELVRKAAGQA LKGLAWPEGA TGPEGVLPRP
LLSCTQALDD DLQREAHTVT AHLTSKMVG D IRKYVQHISL SPDSIQNDEA VAPLMKYLDE
KLALLNASLV KGNLSRVLEA LWELLQAIL QALGANRDVS ADFYSRFHFT LEALVSFFHA
EGQGLPLESL RDGSYKRLKE ELRLHKCSTR ECIEQFYLDK LKQRTLEQNR FGRLSVRCHY
EAAEQRLAVE VLHAADLLPL DANGLSDPFV IVELGPPHLF PLVRSQRTQV KTRTLHPVYD
ELFYFSVPAE ACRRRACVL FTVMDHDWLS TNDFAGEAAL GLGGVTGVAR PQVGGGARAG
QPVTLHLCRP RAQVRSALRR LEGRTSKEAQ EFVKKLKELE KCMEADP **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.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	BAIAP3
Alternative Name:	BAIAP3 (BAIAP3 Products)

Target Details

Background:	BAI1-associated protein 3 (BAP3) (Brain-specific angiogenesis inhibitor I-associated protein 3),FUNCTION: Functions in endosome to Golgi retrograde transport. In response to calcium influx, may interact with SNARE fusion receptors and membrane phospholipids to mediate endosome fusion with the trans-Golgi network. By promoting the recycling of secretory vesicle transmembrane proteins, it indirectly controls dense-core secretory vesicle biogenesis, maturation and their ability to mediate the constitutive and regulated secretion of neurotransmitters and hormones. May regulate behavior and food intake by controlling calcium-stimulated exocytosis of neurotransmitters including NPY and serotonin and hormones like insulin (PubMed:28626000). Proposed to play a role in hypothalamic neuronal firing by modulating gamma-aminobutyric acid (GABA)ergic inhibitory neurotransmission (By similarity). {ECO:0000250 UniProtKB:Q80TT2, ECO:0000269 PubMed:28626000}.
Molecular Weight:	131.9 kDa
UniProt:	O94812

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