

Datasheet for ABIN7564381

## BAIAP2 Protein (AA 1-535) (His tag)



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### Overview

Quantity:	1 mg
Target:	BAIAP2
Protein Characteristics:	AA 1-535
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BAIAP2 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant Baiap2 Protein expressed in mammalian cells.
Sequence:	<p>MSLSRSEEMH RLTENYKTI MEQFNPSLRN FIAMGKNYEK ALAGVTFAAK GYFDALVKMG  ELASESQGSK ELGDLVFQMA EVHRQIQNQL EETLKSFHNE LLTQLEQKVE LDSRYLSAAL  KKYQTEQRSK GDALDKQAE LKKLRKKSQG SKNPQKYSKD ELQYIDAIN KQGELENYVS  DGYKTALTEE RRRFCFLVEK QCAVAKNSAA YHSGGKELLA QKLPLWQQAC ADPNKIPDRA  VQLMQQMANS NGSILPSALS ASKSNLVISD PIPGAKPLPV PPELAPFVGR MSAQENVPVM  NGVAGPDSYD YNPWADRKAA QPKSLSPQSQ QSKLSDSYSN TLPVRKSVTP KNSYATTENK  TLPRSSSMAA GLERNRMRV KAIFSHAAGD NSTLLSFKEG DLITLLVPEA RDGWHYGESE  KTKMRGWFPF SYTRVLDSGD SDRLHMSLQQ GKSSSTGNLL DKDDLALPPP DYGTSSRAFP  TQTAGTFKQR PYSVAVPAFS QGLDDYGARS VSRNPFANVH LKPTVTNDRS APLLS</p> <p><b>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.</b></p>

## Product Details

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><b>Key Benefits:</b></p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <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:	BAIAP2
Alternative Name:	Baiap2 ( <a href="#">BAIAP2 Products</a> )
Background:	Brain-specific angiogenesis inhibitor 1-associated protein 2 (BAI-associated protein 2) (BAI1-associated protein 2) (Insulin receptor substrate protein of 53 kDa) (IRSp53) (Insulin receptor substrate p53) (Insulin receptor tyrosine kinase 53 kDa substrate),FUNCTION: Adapter protein that links membrane-bound small G-proteins to cytoplasmic effector proteins. Necessary for CDC42-mediated reorganization of the actin cytoskeleton and for RAC1-mediated membrane ruffling. Involved in the regulation of the actin cytoskeleton by WASF family members and the Arp2/3 complex. Plays a role in neurite growth. Acts synergetically with ENAH to promote filipodia formation. Plays a role in the reorganization of the actin cytoskeleton in response to bacterial infection. Participates in actin bundling when associated with EPS8, promoting filopodial protrusions. {ECO:0000269 PubMed:17115031}.
Molecular Weight:	59.2 kDa

## Target Details

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UniProt: [Q8BKX1](#)

## Application Details

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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

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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