

Datasheet for ABIN7565282

GAB2 Protein (AA 1-665) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	GAB2
Protein Characteristics:	AA 1-665
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GAB2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Gab2 Protein expressed in mammalian cells.
Sequence:	<p>MSGGGGDDVV CTGWLRSPP EKKLRRYAWK KRWFILRSGR MSGDPDVLEY YKNEHKKPL</p> <p>RIINLNLCEQ VDAGLTFNKK ELQDSFVFDI KTSERTFYL V AETEDMNKW VQSICQICGF</p> <p>NQAEESTDSL RNLSSASHGP RSSPAEFSSS QHLLRERKSS APSHSSQPTL FTFEPPVSSH</p> <p>MQPTLSTSAP QEYLYLHQC SRRTENARSA SFSQGTRQKS DTAVQKLAQS NGHCINGVGG</p> <p>QVHGFYSLPK PSRHNTFKD STYDLPRSLA SHGHTKSSLT GSETDNEDVY TFKMPSNTLC</p> <p>RELGDLLVDN MDVPTTPLSA YQIPRTFTLD KNHNAMTVAT PGDSAIAPPP RPPKPSQAET</p> <p>SQWGSIQQR PISENSRVA ATIPRRNTLP AMDNSRLHRA SSCETYEYPA RGSGESASWS</p> <p>AEPGKTAVG RSNSASSDDN YVPMNPGSST LLAMERPGDN SQSVYIPMSP GPHHFDPLGY</p> <p>PSTALPIHRG PSRGSEIQPP PVNRNLKPDR KAKPTPLDLR NNTVIDELPF KSPVTKSWSR</p> <p>INHTFNSSSS QYCRPISTQS ITSTDGSDSE ENYVPMQNPV SASPVPSGTN SPAPKKSTGS</p> <p>VDYLALDFQP GSPSPHRKPS TSSVTSDEKV DYVQVDKEKT QALQNTMQEW TDVRSSEPS</p>

KGAKL **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:

- 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

Grade:

custom-made

Target Details

Target:

GAB2

Alternative Name:

Gab2 ([GAB2 Products](#))

Background:

GRB2-associated-binding protein 2 (GRB2-associated binder 2) (Growth factor receptor bound protein 2-associated protein 2) (PH domain-containing adaptor molecule p97),FUNCTION: Adapter protein which acts downstream of several membrane receptors including cytokine, antigen, hormone, cell matrix and growth factor receptors to regulate multiple signaling pathways. Regulates osteoclast differentiation mediating the TNFRSF11A/RANK signaling (PubMed:15750601). In allergic response, it plays a role in mast cells activation and degranulation through PI-3-kinase regulation. Also involved in the regulation of cell proliferation and hematopoiesis. {ECO:0000269|PubMed:10068651, ECO:0000269|PubMed:11449275, ECO:0000269|PubMed:15750601, ECO:0000269|PubMed:17374739, ECO:0000269|PubMed:9885561}.

Target Details

Molecular Weight:	73.2 kDa
UniProt:	Q9Z1S8
Pathways:	TCR Signaling , Fc-epsilon Receptor Signaling Pathway , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , BCR Signaling , Warburg Effect

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