

Datasheet for ABIN7563540

BACH2 Protein (AA 1-839) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	BACH2
Protein Characteristics:	AA 1-839
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BACH2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Bach2 Protein expressed in mammalian cells.
Sequence:	<p>MSVDEKPGSP MYVYESTVHC ANILLGLNDQ RKKDILCDVT LIVERKEFRA HRAVLAACSE</p> <p>YFWQALVGQT KDDLVLPE EVTARGFGPL LQFAYTAKLL LSRENIREVI RAEFLRMHN</p> <p>LEDSCFSFLQ TQLLNREDGL FVCRKDSACQ RPQEDHGNSA GEEEEEEETM DSETARMACA</p> <p>TDQMLPDPIS FEATAIPVAE KEEALLPESE VPTDTKENSE KGALTQYPRY KKYQLACTKN</p> <p>VYSAPSHGTS GFASTFSEDS PGNSLKPLP MGQIKSEPPS EETEEESITL CLSGDETDIK</p> <p>DRPGDVEMDR KQPSPAPTPS TPTGAACLDL SRSVSSPSCSL RSLFGITKGV ESTGLPSTSQ</p> <p>QPLVRSSACP FNKGISQGD LKTDYTPLAGN YGQPHVGQKD VSNFAMGSPL RGPGETLCK</p> <p>QEGELDRRSV IFSASACDQP NTPVHSYSV SNLDKDLSEP VPKSLWVGAG QSLPSSQAYS</p> <p>HSGLMADHLP GRIRPNTSCP VPIKVCPRSP PLETRTRTSS SCSSYSYAED GSGGSPCSLP</p> <p>LCEFSSSPCS QGARFLATEH QEPGLMGDGM YNQVRPQIKC EQSYGTNSSD ESGSFSEADS</p> <p>ESCPVQDRGQ EVKLPPFVDQ ITDLPRNDFQ MMIKMHKLTS EQLEFIHDIR RRSKNRIAAQ</p>

RCRKRLDCI QNLECEIRKL VCEKEKLLSE RNHLKACMGE LLDNFSCLSQ EVCRDIQSPE
QIQALHRYCP VLIPMDLPGA SVNPPVGVGE QSLAPSPCAV GGSVPCCLEP GAAPPGLPWV
PSNTSENCTS GRRLEGSDPG TFSERGPPLA ARSQSVTVDF CQEMTEKCTT DEQPRKDYA

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:

BACH2

Alternative Name:

Bach2 ([BACH2 Products](#))

Background:

Transcription regulator protein BACH2 (BTB and CNC homolog 2),FUNCTION: Transcriptional regulator that acts as a repressor or activator (PubMed:8887638). Binds to Maf recognition elements (MARE) (PubMed:8887638). Plays an important role in coordinating transcription activation and repression by MAFK (PubMed:8887638). Induces apoptosis in response to oxidative stress through repression of the antiapoptotic factor HMOX1 (By similarity). Positively regulates the nuclear import of actin (PubMed:26021350). Is a key regulator of adaptive immunity, crucial for the maintenance of regulatory T-cell function and B-cell maturation

Target Details

	(PubMed:28530713). {ECO:0000250 UniProtKB:Q9BYV9, ECO:0000269 PubMed:26021350, ECO:0000269 PubMed:28530713}.
Molecular Weight:	91.8 kDa
UniProt:	P97303

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