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Datasheet for ABIN7552569
BACH2 Protein (AA 1-841) (His tag)

Overview

Quantity:	1 mg
Target:	BACH2
Protein Characteristics:	AA 1-841
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BACH2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant BACH2 Protein expressed in mammalian cells.
Sequence:	MSVDEKPDSP MYVYESTVHC TNILLGLNDQ RKKDILCDVT LIVERKEFRA HRAVLAACSE YFWQALVGQT KNDLVVSLPE EVTARGFGPL LQFAYTAKLL LSRENIREVI RCAEFLRMHN LEDSCFSFLQ TQLLNSEDGL FVCRKDAACQ RPHEDCENSA GEEEDEEEET MDSETAKMAC PRDQMLPEPI SFEAAAIPVA EKEEALLPEP DVPTDTKESS EKDALTQYPR YKKYQLACTK NVYNASSHST SGFASTFRED NSSNSLKPGL ARGQIKSEPP SEENEEESIT LCLSGDEPDA KDRAGDVEMD RKQPSPAPTP TAPAGAACLE RSRSVASPSC LRSLFSITKS VELSGLPSTS QQHFARSPAC PFDKGITQGD LKTDYTPFTG NYGQPHVGQK EVSNFTMGSP LRGPGLEALC KQEGELDRRS VIFSSSACDQ VSTSVHSYSG VSSLDKDLSE PVPKGLWVGA GQSLPSSQAY SHGGLMADHL PGRMRPNTSC PVPIKVCPRS PPLETRTRTS SSCSSYSYAE DGSGGSPCSL PLCEFSSSPC SQGARFLATE HQEPGLMGDG MYNQVRPQIK CEQSYGTNSS DESGSFSEAD SESCPVQDRG QEVKLPFPVD QITDLPRNDF QMMIKMHKLT SEQLEFIHDV RRRSKNRIAA QRCRKRKLDC IQNLECEIRK LVCEKEKLLS ERNQLKACMG ELLDNFSCLS QEVCRDIQSP

Product Details

EQIQALHRYC PVLRPMDLPT ASSINPAPLG AEQNIAASQC AVGENVPCCL EPGAAPPGPP
WAPSNTSENC TSGRRLEGTD PGTFSERGPP LEPRSQTVTV DFCQEMTDKC TTDEQPRKDY T

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:	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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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 (By similarity). Binds to Maf recognition elements (MARE) (By similarity). Plays an important role in coordinating transcription activation and repression by MAFK (By similarity). Induces apoptosis in response to oxidative stress through repression of the antiapoptotic factor HMOX1 (PubMed:17018862). Positively regulates the nuclear import of actin (By similarity). Is a key regulator of adaptive immunity, crucial for the

Target Details

	maintenance of regulatory T-cell function and B-cell maturation (PubMed:28530713). {ECO:0000250|UniProtKB:P97303, ECO:0000269|PubMed:17018862, ECO:0000269|PubMed:28530713}.
Molecular Weight:	92.5 kDa
UniProt:	Q9BYV9

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