Datasheet for ABIN7564721

BANP Protein (AA 1-548) (His tag)

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Overview

Quantity:	1 mg
Target:	BANP
Protein Characteristics:	AA 1-548
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BANP protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Banp Protein expressed in mammalian cells.
Sequence:	MMSEQDLADV VQIAVEDLSP DHPVVLENHV VTDDDEPALK RQRLEINCQD PSIKSFLYSI NQTICLRLDS IEAKLQALEA TCKSLEEKLD LVTNKQHSPI QVPMVAGSPL GATQTCNKVR CVVPQTTVIL NNDRQNAIVA KMEDPLSNRA PDSLENIISN AVPGRRQNTI VVKVPGQDDS HNEDGESGSE ASDSVSNCGQ PGSQNIGSNV TLITLNSEED YPNGTWLGDE NNPEMRVRCA IIPSDMLHIS TNCRTAEKMA LTLLDYLFHR EVQAVSNLSG QGKHGKKQLD PLTIYGIRCH LFYKFGITES DWYRIKQSID SKCRTAWRRK QRGQSLAVKS FSRRTPSSSS YSASETMMGT PPPTSELQQS QPQALHYALA NAQQVQIHQI GEDGQVQVIP QGHLHIAQVP QGEQVQITQD SEGNLQIHHV GQDGQSWGLC QNPIPVSGDS VAQANPSQLW PLGGDTLDLP AGNEMIQVLQ GAQLIAVASS DPAATGVDGS PLQGSDIQVQ YVQLAPVSDH TAAAQTAEAL QPTLQPDMQL EHGAIQIQ **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.**

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:	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:	BANP
Alternative Name:	Banp (BANP Products)
Background:	Protein BANP (Btg3-associated nuclear protein) (Scaffold/matrix-associated region-1-binding protein),FUNCTION: Controls V(D)J recombination during T-cell development by repressing T-cell receptor (TCR) beta enhancer function. Binds to scaffold/matrix attachment region beta (S/MARbeta), an ATC-rich DNA sequence located upstream of the TCR beta enhancer. Represses cyclin D1 transcription by recruiting HDAC1 to its promoter, thereby diminishing H3K9ac, H3S10ph and H4K8ac levels. Promotes TP53 activation, which causes cell cycle arrest and inhibits tumor growth (PubMed:12494467). {ECO:0000269|PubMed:10950932, ECO:0000269|PubMed:12494467, ECO:0000269|PubMed:15371550, ECO:0000269|PubMed:15623522, ECO:0000269|PubMed:16166625, ECO:0000269|PubMed:17229733}.
Molecular Weight:	59.7 kDa

Target Details

UniProt:	Q8VBU8

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

