

Datasheet for ABIN7564196
SBN02 Protein (AA 1-1349) (His tag)



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Overview

Quantity:	1 mg
Target:	SBN02
Protein Characteristics:	AA 1-1349
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SBN02 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Sbn02 Protein expressed in mammalian cells.
Sequence:	MLAVEPTMDG DFPPHELPPP GGGIQLQNRL LHCPWWGSFS PSLYPTFSSE NQQFVGSTPF LGGQSCPETS YPTTATVPSF FSKSSDFPQD PSCLEDLSNA SVFSSSVDSL SDIPDTPDFL QADSLNEVPT IWDVSTTSTT HDKLFIPSGP FSAPEDPVTS LSSTPLLSISY QSHSQPEEEE GEEEEETEEL GHAETYADYV PSKSKIGKQH PDRVVETSTL SSVPPPDITY TLALPTSDNS TLSALQLEAI TYACQQHEVL LPSGQRAGFL IGDGAGVGKG RTVAGIIVEN YLRGRKKALW FSASNDLKYD AERDLRDIEA PGIAVHALSK IKYGDNTTSE GVLFATYSAL IGESQAGGQH RTRLRQILQW CGEGFDGVIV FDECHKAKNA SSTKMGKAVL DLQSKLPQAR VVYASATGAS EPRNMIYMSR LGIWGEGTPF RTFEEFLHAI EKRGVGAMEI VAMDMKVSGM YIARQLSFSG VTFRIEEIPL SPAFQQVYNR AARLWAEALS VFQQAADWIG LESRSLWGQ FWSAHQRFFK YLCIAAKVHR LVELAQQELS RDKCVVIGLQ STGEARTREV LDENEGRLDC FVSAAEGVFL SLIQKHFPST RRRRDRGGGK RKRRPRGRGP KASRLSLEAA GVIRISDGSS TESDAGLDSD FNSSPESLVD DDVVIVDAPT HPTDDRGSly PLQRDLQGPV VVERVERLKQ GLLAKVRALG

RELPVNTLDQ LIHQLGGPEC VAEMTGRKGR VSRPDGTWV FESRAEQGLS IDHVNLRKQ
RFMSGEKLV A IIEASSSGV SLQADRRVQN QRRRVHMTLE LPWSADRAIQ QFGRTHRSNQ
VSAPEYVFLI SELAGERRFA SIVAKRLESL GALTHGDRRA TESRDLSKYN FENKYGARAL
SRVLATIMGQ TDNRVPLPQG YPGGDТАFFR DMKQGLLSVG IGSRESRSGC LDVEKDCSIT
KFLNRILGLE VHKQNALFQY FSDTFDHLIE IDKKEGRYDM GILDLAPGIN EIHEESQQVF
LAPGHPQDGQ VVFYKQISVD RGMKWEEALT RSLELKGPYD GFYLSYKVRG SKMSCLLAEQ
NRGEYFTVYK PNIGRQSLE TLDSLCKRFH RVTVEEAREP WESSYALSLE HCSHTTWNQR
CRLTQEGKCC AQLRLRHHY MLCGALLRVW GRIAAVMADV SSSSYLQIVR LKTKDKKKKQV
GIKIPEGCVH RVLQELQLMD AEVKRRSTHG LAARPPTPRA ITLPCGPGEV LDLYTSPPAE
AFPTPPRFAF PSLPPDPSS LMLGARDPAT NPVELAHQSC DINFREVLED MLRSLRAGPT
ETPAPLVGVG GGGTERQSVI HFSPFPNS **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:	SBN02
Alternative Name:	Sbno2 (SBN02 Products)
Background:	Protein strawberry notch homolog 2,FUNCTION: Acts as a transcriptional coregulator, that can have both coactivator and corepressor functions (PubMed:18025162, PubMed:23980096). Inhibits the DCSTAMP-repressive activity of TAL1, hence enhancing the access of the transcription factor MITF to the DC-STAMP promoter in osteoclast (PubMed:23980096). Plays a role in bone homeostasis, required as a positive regulator in TNFSF11//RANKL-mediated osteoclast fusion via a DCSTAMP-dependent pathway (PubMed:23980096). May also be required in the regulation of osteoblast differentiation (PubMed:23980096). Involved in the transcriptional corepression of NF-kappaB in macrophages. Plays a role as a regulator in the pro-inflammatory cascade (By similarity). {ECO:0000250 UniProtKB:Q9Y2G9, ECO:0000269 PubMed:23980096}.
Molecular Weight:	149.3 kDa
UniProt:	Q7TNB8

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