



[Go to Product page](#)

Datasheet for ABIN3135927

SBNO2 Protein (AA 1-1349) (His tag)

1 Image

Overview

Quantity:	1 mg
Target:	SBNO2
Protein Characteristics:	AA 1-1349
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SBNO2 protein is labelled with His tag.
Application:	Crystallization (Crys), ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Sequence: MLAVEPTMDG DFPPHELPPP GGGIQLQNRL LHCPWWGSFS PSLYPTFSSE NQQFVGSTPF
LGGQSCPETS YPTTATVPSF FSKSSDFPQD PSCLEDLSNA SVFSSSVDSL SDIPDTPDFL
QADSLNEVPT IWDVSTTSTT HDKLFIPSGP FSAPEDPVTS LSSTPLLSISY QSHSQPEEEE
GEEEEETEEL GHAETYADYV PSKSKIGKQH PDRVETSTL SSVPPPDIITY TLALPTSDNS
TLSALQLEAI TYACQQHEVL LPSGQRAGFL IGDGAGVGKG RTVAGIIVEN YLRGRKKALW
FSASNDLKYD AERDLRDIEA PGIAVHALSK IKYGDNTTSE GVLFATYSAL IGESQAGGQH
RTRLRQILQW CGEGFDGVIV FDECHKAKNA SSTKMKGAVL DLQSKLPQAR VVYASATGAS
EPRNMIYMSR LGIWGEGTPF RTFEEFLHAI EKRGVGAMEI VAMDMKVSGM YIARQLSFSG
VTFRIEEIPL SPAFQQVYNR AARLWAEALS VFQQAADWIG LESRSLWGQ FWSAHQRFFK
YLCIAAKVHR LVELAQQELS RDKCVVIGLQ STGEARTREV LDENEGRLDC FVSAAEGVFL
SLIQKHFPST RRRDRGGGK RKRRPRGRGP KASRLSLEAA GVIRISDGSS TESDAGLDSD
FNSSPESLVD DDVVIVDAPT HPTDDRGSly PLQRDLQGP VVERVERLKQ GLLAKVRALG

RELPVNTLDQ LIHQLGGPEC VAEMTGRKGR VSRPDGTVV FESRAEQGLS IDHVNLRKQ
RFMSGKLVVA IISEASSGV SLQADRRVQN QRRRVHMTLE LPWSADRARIQ QFGRTHRSNQ
VSAPEYVFLI SELAGERRFA SIVAKRLESL GALTHGDRRA TESRDLSKYN FENKYGARAL
SRVLATIMGQ TDNRVPLPQG YPGGDTAFFR DMKQGLLSVG IGSRESRSGC LDVEKDCSIT
KFLNRILGLE VHKQNALFQY FSDFDHLIE 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 LDLYSPPAE
AFPTPPRFAF PSLPPDPSS LMLGARDPAT NPVELAHQSC DINFREVLED MLRSLRAGPT
ETPAPLVGVG GGGTERQSVI HFSPFPNS

Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.

Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Mouse Sbn2 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.
- 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 will ensure that you receive a correctly folded protein.

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.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receipt of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered.

The concentration of our recombinant proteins is measured using the absorbance at 280nm.

The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.

The concentration of the protein is calculated using its specific absorption coefficient. We use the ExPASy's protParam tool to determine the absorption coefficient of each protein.

Purification:

Two step purification of proteins expressed in baculovirus infected SF9 insect cells:

Product Details

1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE.
2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.

Purity: >95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.

Sterility: 0.22 µm filtered

Endotoxin Level: Protein is endotoxin free.

Grade: Crystallography grade

Target Details

Target: SBNO2

Alternative Name: Sbno2 ([SBNO2 Products](#))

Background: 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 proinflammatory cascade (By similarity). {ECO:0000250|UniProtKB:Q9Y2G9, ECO:0000269|PubMed:23980096}.

Molecular Weight: 150.2 kDa Including tag.

UniProt: [Q7TNB8](#)

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.

Comment: Protein has not been tested for activity yet. In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher

Application Details

molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: 100 mM NaCl, 20 mM Hepes, 10% glycerol. pH value 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: Unlimited (if stored properly)

Images



Image 1. „Crystallography Grade“ protein due to multi-step, protein-specific purification process