

Datasheet for ABIN7562387

Basonuclin 1 Protein (BNC1) (AA 1-961) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Basonuclin 1 (BNC1)
Protein Characteristics:	AA 1-961
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Basonuclin 1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Bnc1 Protein expressed in mammalian cells.
Sequence:	<p>MAEAIGCTLN CSCQC FKPGK INHRQCEQCR HGWVAHALSK LRIPPVYPTS QVEIVQSNV FDISSLMLYG TQAI PVRLKI LLDRLFSVLK QDEV LQILHA LDWTLQDYIR GYVLQDASGK VLDHWSIMTS EEEVATLQQF LRFGETKSIV ELMAIQEKEE QSVIVPPTTA NVDIRAFIES CGHRSASLPT PVDKGSPGGM HPFENLISNM TFMLPFQFFN PLPPALIGSL PEQYMLEQQQ DQSQEPKQEL HGPFS DSSFL TSTPFQVEKE QCLNCPETVP QKEDSAHLSD SSSYSIASKL ERTQLSPEAK VKPERNSLSA KKGRVFCTAC EKTFYDKGTL KIHYNVHLK IKHKCTIEGC NMFSSLSR NRHSANPNR LHMPMNRNR DKDLRNSLNL ASSEYKRP GFTVVSPDCGP LPGYTGSVED SKGQPAFSSI GQNGVLF PNL KTVQPVLPFY RSPATPAELA NTPGMLPSLP LLSSSIPEQL VSTDM PFDAL P KKKSRKSSM PIKIEKEAVE IAEEKRHSL S DDEVPLQVV SEDEPEDSSP RSDRVPEEQH TQLSLEEPLP QGERACHLES VIESHGALSR TLEQTTLTER EAEQKVALSS VMPREVEDGG HERHFTAGLV PQIPFPDYME LQQRLLAGGL FGALSNRGM A PFLEESKEL EHLGEHALVR QKEEARFQCD ICKKTFKNAC SMKTHEKNTH ARETHACTVE</p>

Product Details

GCGAAFPSRR SRDRHSSNLS LHQKVLNEEA LETSEDFRA AYLLQDVAKE AYQDVAFPTQ
ASQTSVIFKG TSGMGSLVYP ISQVHSASLE SYNSGPPSEG TILDLSTTSS MKSESSSHSS
WDSGDVSEEG TALMEDSDGN CEGQSLVSGE DEYPLCVLME KADQSLASLP SGLPITCHLC
QKIYSNKGTF RAHYKTVHLR QLHKCKVPGC NTMFSSVRSR NRHSQNPNLH KSLASSPSHL Q

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: Basonuclin 1 (BNC1)

Alternative Name: Bnc1 ([BNC1 Products](#))

Background: Zinc finger protein basonuclin-1,FUNCTION: Transcriptional activator (PubMed:9687312, PubMed:23707421). It is likely involved in the regulation of keratinocytes terminal differentiation in squamous epithelia and hair follicles (By similarity). Required for the maintenance of spermatogenesis (PubMed:22266914). It is involved in the positive regulation of oocyte

Target Details

maturation, probably acting through the control of BMP15 levels and regulation of AKT signaling cascade (By similarity). May also play a role in the early development of embryos (PubMed:9687312). {ECO:0000250|UniProtKB:Q01954, ECO:0000269|PubMed:22266914, ECO:0000269|PubMed:23707421, ECO:0000269|PubMed:9687312}.

Molecular Weight: 106.7 kDa

UniProt: [O35914](#)

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