Datasheet for ABIN3136239

Basonuclin 2 Protein (BNC2) (AA 1-1127) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	Basonuclin 2 (BNC2)
Protein Characteristics:	AA 1-1127
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Basonuclin 2 protein is labelled with Strep Tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB), ELISA

Product Details

Brand:	AliCE®
Sequence:	MARFVPSPPP NCLSYKSEGR LGEQDWQAHF KVPCCGVDPS QLESEEAEVD VRERDTQRDR EPKRARDLTL RDSCTDNSMQ FGTRTTAAEP GFMGTWQNAD TNLLFRMSQQ VPLACAGRVL GADFCPNLEE PDQRLEVQAI RCTLVNCTCE CFQPGKINLR TCDQCKHGWV AHALDKLSTQ HLYHPTQVEI VQSNVVFDIS SLMLYGTQAV PVRLKILLDR LFSVLKQEEV LHILHGLGWT LRDYVRGYIL QDAAGKVLDR WAIMSREEEI ITLQQFLRFG ETKSIVELMA IQEKEGQAVA VPSSKTDSDI RTFIESNNRT RSPSLLAHLE NSNPSSIHHF ENIPNSLAFL LPFQYINPVS APLLGLPPNG LLLEQPGLRL REPSISTQNE YNESSESEVS PTPYKSDQTP NRNALTSITN VEPKTEPACV SPIQNSAPVS DLSKTEHPKS SFRIHRMRRM GSASRKGRVF CNACGKTFYD KGTLKIHYNA VHLKIKHRCT IEGCNMVFSS LRSRNRHSAN PNPRLHMPML RNNRDKDLIR ATSGAATPVI ASTKSNLTLT SPGRPPMGFT TPPLDPVLQN PLPSQLVFSG LKTVQPVPPF YRSLLTPGEM VSPPTSLPTS PIIPTSGTIE QHPPPPSEPI VPAVMMGTHE PSADLAPKKK

PRKSSMPVKI EKEIIDTADE FDDEDDDPND GGTVVNDMSH DNHCHSQDEM SPGMSVKDFS KHNRTRCISR TEIRRADSMT SEDQEPERDY ENESESSEPK LGEESMEGDE HLHSEVSEKV LMNSERPDEN HSEPSHQDVI KVKEEFTDPT YDMFYMSQYG LYNGGGASMA ALHESFTSSL NYGSPQKFSP EGDLCSSPDP KICYVCKKSF KSSYSVKLHY RNVHLKEMHV CTVAGCNAAF PSRRSRDRHS ANINLHRKLL TKELDDMSLD SSQPSLSKDL RDEFLMKIYG AQHPLGLDGR EDASSPAGTE DSHLNGYGRG MAEDYMVLDL STTSSLQSSS SVHSSRESDA GSDEGILLDD IDGASDSGES THKAEAPTLP GSLGAEVSGS LMFSSLSGSN GGIMCNICHK MYSNKGTLRV HYKTVHLREM HKCKVPGCNM MFSSVRSRNR HSQNPNLHKN IPFTSID

Sequence without tag. The proposed Strep-Tag is based on experience s 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.

Characteristics:

Key Benefits:

- Made in Germany - from design to production - by highly experienced protein experts.
- Protein expressed with ALiCE® and purified in one-step affinity chromatography
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- 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.

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.

Expression System:

- ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from Nicotiana tabacum c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

Concentration:

Product Details

- The concentration of our recombinant proteins is measured using the absorbance at 280nm.
- The protein's absorbance will be measured against its specific reference buffer.
- We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.

Purification:	One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (AliCE®).
Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made

Target Details

Target:	Basonuclin 2 (BNC2)
Alternative Name:	Bnc2 (BNC2 Products)
Background:	Zinc finger protein basonuclin-2,FUNCTION: Probable transcription factor specific for skin keratinocytes. May play a role in the differentiation of spermatozoa and oocytes. May also play an important role in early urinary-tract development. {ECO:0000250|UniProtKB:Q6ZN30}.
Molecular Weight:	125.3 kDa
UniProt:	Q8BMQ3

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:	ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from Nicotiana tabacum c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications. During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer. Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol **Might differ depending on protein.**
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months