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Datasheet for ABIN7552729

BCL11A Protein (AA 1-835) (His tag)

Overview

Quantity:	1 mg
Target:	BCL11A
Protein Characteristics:	AA 1-835
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BCL11A protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat BCL11A Protein expressed in mammalien cells.
Sequence:	MSRRKQGKPQ HLSKREFSPE PLEAILTDDE PDHGPLGAPE GDHLLTCGQ CQMNFLGDI LIFIEHKRKQ CNGSLCLEKA VDKPPSPSPI EMKKASNPVE VGIQVTPEDD DCLSTSSRGI CPKQEHIA DK LLHWRLSSP RSAHGALIPT PGMSAEYAPQ GICKDEPSSY TCTTCKQPFT SAWFLLQHAQ NTHGLRIYLE SEHGSPLTPR VGIPSGLGAE CPSQPPLHGI HIADNNPFNL LRIPGSVSRE ASGLAEGRFP PTPPLFSPPP RHHLDPHRIE RLGAEEMALA THHPSAFDRV LRLNPMAMEP PAMDFSRRLR ELAGNTSSPP LSPGRPSPMQ RLLQPFQPGS KPPFLATPPL PPLQSAPPPS QPPVKSKECE FCGKTFKFQS NLVHRRSHT GEKPYKCNLC DHACTQASKL KRHMKTHMHK SSPMTVKSDD GLSTASSPEP GTSDLVGSAS SALKSVVAKF KSENDPNLIP ENGDEEEEEED DEEEEEEEEE EEEELTESER VDYGFGLSLE AARHHENSSR GAVVGVGDES RALPDVMQGM VLSSMQHFSE AFHQVLGEKH KRGHLEAEAG HRDTCEDSV AGESDRIDDG TVNVRGCSPPG ESASGGLSKK LLLGSPSSLS PFSKRIKLEK EFDLPPAAMP NTENVYSQWL

Product Details

AGYAASRQLK DPFLSFGDSR QSPFASSEH SSENGSLRFS TPPGELDGGI SGRSGTGSGG
STPHISGPGP GRPSSKEGRR SDTCEYCGKV FKNCSNLTVH RRSHTGERPY KCELCNYACA
QSSKLTRHMK THGQVGKDVY KCEICKMPFS VYSTLEKHMK KWHSRVLNN DIKTE **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.**

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, Western Blot

Grade:

custom-made

Target Details

Target:

BCL11A

Alternative Name:

BCL11A ([BCL11A Products](#))

Background:

B-cell lymphoma/leukemia 11A (BCL-11A) (B-cell CLL/lymphoma 11A) (COUP-TF-interacting protein 1) (Ecotropic viral integration site 9 protein homolog) (EVI-9) (Zinc finger protein 856),FUNCTION: Transcription factor (PubMed:16704730, PubMed:29606353). Associated with the BAF SWI/SNF chromatin remodeling complex (PubMed:23644491). Binds to the 5'-TGACCA-3' sequence motif in regulatory regions of target genes, including a distal promoter of the HBG1 hemoglobin subunit gamma-1 gene (PubMed:29606353). Involved in regulation of the developmental switch from gamma- to beta-globin, probably via direct repression of HBG1,

Target Details

hence indirectly repressing fetal hemoglobin (HbF) level (PubMed:29606353, PubMed:26375765). Involved in brain development (PubMed:27453576). May play a role in hematopoiesis (By similarity). Essential factor in lymphopoiesis required for B-cell formation in fetal liver (By similarity). May function as a modulator of the transcriptional repression activity of NR2F2 (By similarity). {ECO:0000250|UniProtKB:Q9QYE3, ECO:0000269|PubMed:16704730, ECO:0000269|PubMed:23644491, ECO:0000269|PubMed:29606353, ECO:0000303|PubMed:26375765, ECO:0000303|PubMed:27453576}.

Molecular Weight: 91.2 kDa

UniProt: [Q9H165](#)

Pathways: [Regulation of Cell Size](#)

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.

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