

Datasheet for ABIN7564932
BCL11B Protein (AA 1-884) (His tag)



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Overview

Quantity:	1 mg
Target:	BCL11B
Protein Characteristics:	AA 1-884
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BCL11B protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Bcl11b Protein expressed in mammalian cells.
Sequence:	MSRRKQGNPQ HLSQRELITP EADHVEATIL EEDEGLEIEE PSSLGLMVGG PDPDLLTCGQ CQMNFFPLGDI LVFIEHKKKQ CGGLGPCYDK VLDKSSPPPS SRSELRRVSE PVEIGIQVTP DEDDHLLSPT KGICPKQENI AGPCRPAQLP SMAPIAASSS HPPTSVITSP LRALGVLPPC FPLPCCGARP ISGDGTQEGE QMEAPFGCQC ELSGKDEPSS YICTTCKQPF NSAWFLLQHA QNTHGFRILY EPGPASTSLT PRLTIPPLG PETVAQSPLM NFLGDSNPFN LLRMTGPILR DHPGFGEGR L PGTPPLFSPP PRHHLDPHRL SAEEMGLVAQ HPSAFDRVMR LNPMAIDSPA MDFSRRREL AGNSSTPPPV SPGRGNPMHR LLNPFQPSK SPFLSTPPLP PMPAGTPPPQ PPAKSKSCEF CGKTFKFQSN LIVHRRSHTG EKPYKQLCD HACSQASKLK RHMKTHMHKA GSLAGRSDDG LSAASSPEPG TSELPGLDKA ADGDFRHHES DPSTLGPED DEDEEEEEEE LLENERPE SSFSMDELG RGRENGGVP PGVAGAGAAA AALADEKALA LGKVMEDAGL GALPQYGEKR GAFLKragdt GDAGAVGCGD AGAPGAVNGR GGAFAPGAEP FPALFPRKPA PLPSPGLGGP ALHAAKRIKV EKDLLEPPAA LIPSENVYSQ WLVGYAASRH FMKDPFLGFT

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DARQSPFATS SEHSSENGSL RFSTPPGDLL DGGLSGRSGT ASGGSTPHLG GPGPGRPSSK
EGRRSDTCEY CGKVFKNCSN LTVHRRSHTG ERPYKCELCN YACAQSSKLT RHMKTHGQIG
KEYVRCDICQ MPFSVYSTLE KHMKKWHGEH LLTNDVKIEQ AERS **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: BCL11B

Alternative Name: Bcl11b ([BCL11B Products](#))

Background: B-cell lymphoma/leukemia 11B (BCL-11B) (B-cell CLL/lymphoma 11B) (COUP-TF-interacting protein 2) (Radiation-induced tumor suppressor gene 1 protein) (mRit1),FUNCTION: Key regulator of both differentiation and survival of T-lymphocytes during thymocyte development in mammals (PubMed:12717433). Essential in controlling the responsiveness of hematopoietic stem cells to chemotactic signals by modulating the expression of receptors CCR7 and CCR9,

Target Details

which direct the movement of progenitor cells from the bone marrow to the thymus (By similarity). Is a regulator of IL2 promoter and enhances IL2 expression in activated CD4(+) T-lymphocytes (PubMed:16809611). Tumor-suppressor protein involved in T-cell lymphomas. May function on the P53-signaling pathway. Repress transcription through direct, TFCOUP2-independent binding to a GC-rich response element. {ECO:0000250|UniProtKB:Q9C0K0, ECO:0000269|PubMed:12717433, ECO:0000269|PubMed:16809611}.

Molecular Weight: 94.6 kDa

UniProt: [Q99PV8](#)

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