

Datasheet for ABIN7556105

**Zinc Finger, BED-Type Containing 6 (ZBED6) (AA 1-979)
protein (His tag)**[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Zinc Finger, BED-Type Containing 6 (ZBED6)
Protein Characteristics:	AA 1-979
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

Product Details

Purpose:	Custom-made recombinant ZBED6 Protein expressed in mammalian cells.
Sequence:	MSVCTLSVPV SSLSPGRRCN TFSDSGILGC VPINSNTDEE DVVEEKMAE GVNKEAKQPA KKKRKGLRI KGKRRRKKLI LAKKFSKDLG SGRP VADAPA LLASNDPEQD EESLFESNIE KQIYLPSTRA KTSIVWHFFH VDPQYTWR AI CNLCEKSVSR GKPGSHLGTS TLQRHLQARH SPHWTRANKF GVASGEEDFT LDVSLSPSSG SNGSFEYIPT DPLDDNRMGK KHDKSASDAL RAERGRFLIK SNIVKHALIP GTRAKTSAVW NFFYTD PQHI SRAVCNICKR SVSRGRPGSH LGTSTLQRHL QATHPIHWAV ANKD SGAVAN GLDEAETERS DLLSDTLHGE KSTGSQDLTA EDLSDSDSDE PMLEVENRSE SPIPVAEQGT LMRAQERETT CCGNPVSSHI SQAIQMIVE DMHPYNYFST PAFQRFMQIV APDYRLPSET YFFTKAVPQL YDCVREKIFL TLENVQSQKI HLTVDIWDTHD PSTDYFIVTV HWSLETASF LNNGRIPDFR KWAVLCVTGL AKDCLITNIL QELNDQIGLW LSPNFLIPSF IVSDNSSNVV HAIKDGGFTH VPCFLHCLNM VIQDFCEHK SIENMLVAAR KTCHHFHSV KARQILQEFQ NDHQLPWKNL KQDETGHWIS TFYMLKWLLE HCYSVHHS LG RASGVLTSL QWTLMTYVCD ILKPFEEATQ KSVKTAGLN QVLPLIHLL

Product Details

LSLQKLREDF QVRGITQALN LVDSLCLKLE TDTLLSAMLK SKPCILATLL DPCFKNSLED
FFPQGADLET YKQFLAEEVC NYMESSPEIC QIPTSEASCP SVTVGADSFT SSLKEGTSSS
GSDSSAVDN VALGSKSFMF PSAVAVVDEY FKEYSEFSG GDDPLIYWQR KISIWPALTQ
VAIQYLSCPM CSWQSECIFT KNSHFHPKQI MSLDFDNIEQ LMFLKMNLNK VNYDYSTLVL
SWDPEQNEVV QSSEKEILP **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: Zinc Finger, BED-Type Containing 6 (ZBED6)

Alternative Name: ZBED6 ([ZBED6 Products](#))

Background: Zinc finger BED domain-containing protein 6,FUNCTION: Transcriptional repressor which binds to the consensus sequence 5'-GCTCGC-3', transcription regulation may be tissue-specific (By similarity). Regulates the expression of target genes such as: IGF2, PGAP6/TMEM8, ENHO, and PIANP (By similarity). Acts as a transcriptional repressor of growth factor IGF2, thereby

Target Details

negatively regulating postnatal growth of muscles and internal organs, especially in females (By similarity). Negatively regulates myoblast differentiation and myoblast mitochondrial activity via its regulation of IGF2 transcription (By similarity). Negatively regulates the cell cycle of myoblasts, potentially via transcriptional regulation of the E2F family of transcription factors such as: E2F1 and E2F2 (By similarity). Positively regulates the cell cycle and survival of pancreatic beta cells (PubMed:24043816). Binds to the CDH2 gene and may directly repress CDH2 transcription (By similarity). Probably by controlling CDH2 expression, regulates pancreatic beta cell adhesion, and formation of cell-to-cell junctions between pancreatic beta cells and neural crest stem cells (By similarity). May also play a role in embryonic beta cell differentiation (By similarity). May play a role in insulin sensitivity and glucose clearance (By similarity). {ECO:0000250|UniProtKB:D2EAC2, ECO:0000269|PubMed:24043816}.

Molecular Weight: 110.0 kDa

UniProt: [P86452](#)

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