

Datasheet for ABIN7545240  
**ZBED1 Protein (AA 1-694) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ZBED1
Protein Characteristics:	AA 1-694
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZBED1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat ZBED1 Protein expressed in mammalian cells.
Sequence:	<p>MENKSLESSQ TDLKLVAHPR AKSKVWKYFG FDTNAEGCIL QWKKIYCRIC MAQIAYSGNT</p> <p>SNLSYHLEKN HPEEFCEFEVK SNTEQMREAF ATAFSKLKPE SSQQPGQDAL AVKAGHGYDS</p> <p>KKQQELTAAV LGLICEGLYP ASIVDEPTFK VLLKTADPRY ELPSRKYIST KAIPEKYGAV</p> <p>REVILKELAE ATWCGISTDM WRSENQNRAY VTAAHFLGL GAPNCLSMGS RCLKTFEVPE</p> <p>ENTAETITRV LYEVFIEWGI SAKVFGATTN YGKDIVKACS LLDVAVHMPC LGHTFNAGIQ</p> <p>QAFQLPKLGA LLSRCRKLVE YFQSAVAMY MLYEKQKQQN VAHCMLVSNR VSWWGSTLAM</p> <p>LQRLKEQQFV IAGVLVEDSN NHHLMLEASE WATIEGLVEL LQPFKQVAEM LSASRYPTIS</p> <p>MVKPLLHMLL NTTLNKETD SKELSMKEV IAKELSKTYQ ETPEIDMFLN VATFLDPRYK</p> <p>RLPFLSAFER QQVENRVVEE AKGLLDKVKD GGYRPAEDKI FPVPEEPPVK KLMRTSTPPP</p> <p>ASVINNMLAE IFCQTGGVED QEEWHAQVVE ELSNFKSQKV LGLNEDPLKW WSDRLALFPL</p> <p>LPKVLQKYWC VTATRVAPER LFGSAANVVS AKRNRLAPAH VDEQVFLYEN ARSGAEAEPE</p>

DQDEGEWGLD QEQVFS LGDG VSGGFFGIRD SSFL **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:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	ZBED1
Alternative Name:	ZBED1 ( <a href="#">ZBED1 Products</a> )
Background:	<p>E3 SUMO-protein ligase ZBED1 (EC 2.3.2.-) (DNA replication-related element-binding factor) (Putative Ac-like transposable element) (Zinc finger BED domain-containing protein 1) (dREF homolog),FUNCTION: Functions as an E3-type small ubiquitin-like modifier (SUMO) ligase which sumoylates CHD3/Mi2-alpha, causing its release from DNA (PubMed:27068747). This results in suppression of CHD3/Mi2-alpha transcription repression, increased recruitment of RNA polymerase II to gene promoters and positive regulation of transcription including H1-5 and ribosomal proteins such as: RPS6, RPL10A, and RPL12 (PubMed:12663651, PubMed:17209048, PubMed:17220279, PubMed:27068747). The resulting increased transcriptional activity drives cell proliferation (PubMed:12663651, PubMed:17220279). Binds</p>

## Target Details

to 5'-TGTCG[CT]GA[CT]A-3' consensus sequences in gene promoters of ribosomal proteins (PubMed:12663651, PubMed:17209048, PubMed:17220279, PubMed:27068747).  
{ECO:0000269|PubMed:12663651, ECO:0000269|PubMed:17209048, ECO:0000269|PubMed:17220279, ECO:0000269|PubMed:27068747}., FUNCTION: (Microbial infection) Binds to human adenovirus gene promoters and contributes to transcriptional repression and virus growth inhibition during early stages of infection.  
{ECO:0000269|PubMed:25210186}.

Molecular Weight: 78.2 kDa

UniProt: [O96006](#)

## 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