

Datasheet for ABIN7545632  
**ZIC1 Protein (AA 1-447) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ZIC1
Protein Characteristics:	AA 1-447
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZIC1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat ZIC1 Protein expressed in mammalian cells.
Sequence:	<p>MLLDAGPQYP AIGVTTFGAS RHHSAGDVAE RDVGLGINPF ADGMGAFKLN PSSHELASAG            QTAFTSQAPG YAAAAALGHH HHPGHVGSYS SAAFNSTRDF LFRNRGFGDA AAAASAQHSL            FAASAGGFGG PHGHTDAAGH LLFPLGHEQA AGHASPNNVN GQMRLGFSGD MYPRPEQYGQ            VTSPRSEHYA APQLHGYGPM NVNMAAAHGA GAFFRYMRQP IKQELICKWI EPEQLANPKK            SCNKTFFSTMH ELVTHVTVEH VGGPEQSNHI CFWECEPREG KPFKAKYKLV NHIRVHTGEK            PFPCPFPGCG KVFARSENK IHKRTHTGEK PFKCEFECD RRFANSSDRK KMHVHTSDK            PYLCKMCDKS YTHPSSLRKH MKVHESSSQG SQPSAASSG YESSTPPTIV SPSTDNPPTS            SLSPSSSAVH HTAGHSALSS NFNEWYV <b>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.</b></p>

## Product Details

### 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:

ZIC1

### Alternative Name:

ZIC1 ([ZIC1 Products](#))

### Background:

Zinc finger protein ZIC 1 (Zinc finger protein 201) (Zinc finger protein of the cerebellum 1),FUNCTION: Acts as a transcriptional activator. Involved in neurogenesis. Plays important roles in the early stage of organogenesis of the CNS, as well as during dorsal spinal cord development and maturation of the cerebellum. Involved in the spatial distribution of mossy fiber (MF) neurons within the pontine gray nucleus (PGN). Plays a role in the regulation of MF axon pathway choice. Promotes MF migration towards ipsilaterally-located cerebellar territories. May have a role in shear flow mechanotransduction in osteocytes. Retains nuclear GLI1 and GLI3 in the cytoplasm. Binds to the minimal GLI-consensus sequence 5'-TGGGTGGTC-3' (By similarity). {ECO:0000250|UniProtKB:P46684}.

### Molecular Weight:

48.3 kDa

### UniProt:

[Q15915](#)

## 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.
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Restrictions:	For Research Use only
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## 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