Datasheet for ABIN7556098

ZNF281 Protein (AA 1-895) (His tag)

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Overview

Quantity:	1 mg
Target:	ZNF281
Protein Characteristics:	AA 1-895
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZNF281 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat ZNF281 Protein expressed in mammalien cells.
Sequence:	MKIGSGFLSG GGGTGSSGGS GSGGGGSGGG GGGGSSGRRA EMEPTFPQGM VMFNHRLPPV TSFTRPAGSA APPPQCVLSS STSAAPAAEP PPPPAPDMTF KKEPAASAAA FPSQRTSWGF LQSLVSIKQE KPADPEEQQS HHHHHHHHYG GLFAGAEERS PGLGGGEGGS HGVIQDLSIL HQHVQQQPAQ HHRDVLLSSS SRTDDHHGTE EPKQDTNVKK AKRPKPESQG IKAKRKPSAS SKPSLVGDGE GAILSPSQKP HICDHCSAAF RSSYHLRRHV LIHTGERPFQ CSQCSMGFIQ KYLLQRHEKI HSREKPFGCD QCSMKFIQKY HMERHKRTHS GEKPYKCDTC QQYFSRTDRL LKHRRTCGEV IVKGATSAEP GSSNHTNMGN LAVLSQGNTS SSRRKTKSKS IAIENKEQKT GKTNESQISN NINMQSYSVE MPTVSSSGGI IGTGIDELQK RVPKLIFKKG SRKNTDKNYL NFVSPLPDIV GQKSLSGKPS GSLGIVSNNS VETIGLLQST SGKQGQISSN YDDAMQFSKK RRYLPTASSN SAFSINVGHM VSQQSVIQSA GVSVLDNEAP LSLIDSSALN AEIKSCHDKS GIPDEVLQSI LDQYSNKSES QKEDPFNIAE PRVDLHTSGE HSELVQEENL SPGTQTPSND

Product Details

	KASMLQEYSK YLQQAFEKST NASFTLGHGF QFVSLSSPLH NHTLFPEKQI YTTSPLECGF GQSVTSVLPS SLPKPPFGML FGSQPGLYLS ALDATHQQLT PSQELDDLID SQKNLETSSA FQSSSQKLTS QKEQKNLESS TGFQIPSQEL ASQIDPQKDI EPRTTYQIEN FAQAFGSQFK SGSRVPMTFI TNSNGEVDHR VRTSVSDFSG YTNMMSDVSE PCSTRVKTPT SQSYR **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 mammalien 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:	ZNF281
Alternative Name:	ZNF281 (ZNF281 Products)
Background:	Zinc finger protein 281 (GC-box-binding zinc finger protein 1) (Transcription factor ZBP-99) (Zinc finger DNA-binding protein 99),FUNCTION: Transcription repressor that plays a role in regulation of embryonic stem cells (ESCs) differentiation. Required for ESCs differentiation and acts by mediating autorepression of NANOG in ESCs: binds to the NANOG promoter and promotes association of NANOG protein to its own promoter and recruits the NuRD complex, which deacetylates histones. Not required for establishement and maintenance of ESCs (By

Target Details

	similarity). Represses the transcription of a number of genes including GAST, ODC1 and VIM. Binds to the G-rich box in the enhancer region of these genes. {ECO:0000250, ECO:0000269|PubMed:10448078, ECO:0000269|PubMed:12771217}.
Molecular Weight:	96.9 kDa
UniProt:	Q9Y2X9
Pathways:	Embryonic Body Morphogenesis

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

