Datasheet for ABIN7556079

ZNF451 Protein (AA 1-1061) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	ZNF451
Protein Characteristics:	AA 1-1061
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZNF451 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ZNF451 Protein expressed in mammalian cells.
Sequence:	MGDPGSEIIE SVPPAGPEAS ESTTDENEDD IQFVSEGPLR PVLEYIDLVS SDDEEPSTSY TDENIKRKDH IDYQKDKVAL TLARLARHVE VEKQQKEEKN RAFREKIDFQ HAHGLQELEF IRGHSDTEAA RLCVDQWLKM PGLKTGTINC GTKSSFRRGG HTWVSGKPIL CPIMHCNKEF DNGHLLLGHL KRFDHSPCDP TITLHGPFFS SFACVVCYKK FVTQQQYRDH LFDKEATDDG HNNNLLPQII QCFACPNCFL LFSRKEECSK HMSGKNHFHQ SFKLGDNKGI AHPISFPSFA KKLLISLCKD VPFQVKCVAC HKTLRSHMEL TAHFRVHCRN AGPVAVAEKS ITQVAEKFIL RGYCPDCNQV FVDETSTQNH KQNSGHKVRV INSVEESVLL YCHSSEGNKD PSSDLHLLLD QSKFSSLKRT MSIKESSSLE CIAIPKKKMN LKDKSHEGVA CVQKEKSVVK TWFCECNQRF PSEDAVEKHV FSANTMGYKC VVCGKVCDDS GVIRLHMSRI HGGAHLNNFL FWCRTCKKEL TRKDTIMAHV TEFHNGHRYF YEMDEVEGET LPSSSTTLDN LTANKPSSAI TVIDHSPANS SPRGKWQCRI CEDMFDSQEY VKQHCMSLAS HKFHRYSCAH CRKPFHKIET LYRHCQDEHD NEIKIKYFCG LCDLIFNVEE AFLSHYEEHH SIDYVFVSEK TETSIKTEDD FPVIETSNQL

Product Details

	TCGCRESYIC KVNRKEDYSR CLQIMLDKGK LWFRCSLCSA TAQNLTDMNT HIHQVHKEKS DEEEQQYVIK CGTCTKAFHD PESAQQHFHR KHCFLQKPSV AHFGSEKSNL YKFTASASHT ERKLKQAINY SKSLDMEKGV ENDLSYQNIE EEIVELPDLD YLRTMTHIVF VDFDNWSNFF GHLPGHLNQG TFIWGFQGGN TNWKPPLNCK IYNYLNRIGC FFLHPRCSKR KDAADFAICM HAGRLDEQLP KQIPFTILSG DQGFLELENQ FKKTQRPAHI LNPHHLEGDM MCALLNSISD TTKECDSDDN MGAKNTSIGE EFISTEDVEL EEAIRRSLEE M **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:	ZNF451
Alternative Name:	ZNF451 (ZNF451 Products)
Background:	E3 SUMO-protein ligase ZNF451 (EC 2.3.2.-) (Coactivator for steroid receptors) (E3 SUMO-protein transferase ZNF451) (Zinc finger protein 451),FUNCTION: E3 SUMO-protein ligase, has

Target Details

	a preference for SUMO2 and SUMO3 and facilitates UBE2I/UBC9-mediated sumoylation of target proteins (PubMed:26524493, PubMed:26524494). Plays a role in protein SUMO2 modification in response to stress caused by DNA damage and by proteasome inhibitors (in vitro). Required for MCM4 sumoylation (By similarity). Has no activity with SUMO1 (PubMed:26524493). Preferentially transfers an additional SUMO2 chain onto the SUMO2 consensus site 'Lys-11' (PubMed:26524493). Negatively regulates transcriptional activation mediated by the SMAD4 complex in response to TGF-beta signaling. Inhibits EP300-mediated acetylation of histone H3 at 'Lys-9' (PubMed:24324267). Plays a role in regulating the transcription of AR targets (PubMed:18656483). {ECO:0000250|UniProtKB:Q8C0P7, ECO:0000269|PubMed:18656483, ECO:0000269|PubMed:24324267, ECO:0000269|PubMed:26524493, ECO:0000269|PubMed:26524494}.
Molecular Weight:	121.5 kDa
UniProt:	Q9Y4E5

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