

Datasheet for ABIN7554621

CBFA2T3 Protein (AA 1-653) (His tag)



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Overview

Quantity:	1 mg
Target:	CBFA2T3
Protein Characteristics:	AA 1-653
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CBFA2T3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CBFA2T3 Protein expressed in mammalian cells.
Sequence:	<p>MPASRLRDRA ASSASGSTCG SMSQTHPVLE SGLLASAGCS APRGPRKGGP APVDRKAKAS AMPDSPAEVK TQPRSTPPSM PPPPPAASQG ATRPPSFTPH THREDGPATL PHGRFHGCLK WSMVCLLMNG SSHSPTAING APCTPNGFSN GPATSSTASL STQHLPPACG ARQLSKLKRF LTTLQQFGSD ISPEIGERVR TLVLGLVNST LTIEEFHSKL QEATNFPLRP FVIPFLKANL PLLQRELLHC ARLAKQTPAQ YLAQHEQLLL DASASSPIDS SELLEVVEN GKRRTPDRTK ENGSDRDPLH PEHLKRPCT LNPAQRYSPS NGPPQPTPPP HYRLEDIAMA HHFRDAYRHP DPRELRRHR PLVVPGRQE EVIDHKLTER EWAEWKHLN NLLNCIMDMV EKTRRSLTVL RRCQEADREE LNHWARRYSD AEDTKKGPA AAARPRSSSA GPEGPQLDVP REFLPRTLGT YVPEDIWRKA EEAVNEVKRQ AMSELQKAVS DAERKAHELI TTERAKMERA LAEAKRQASE DALTVINQQE DSSDESCWNCG RKASETCGSC NAARYCGSFC QHRDWEKHHH VCGQSLQGPT AVVADPVPGP PEAHSLGPS LPVGAASPSE AGSAGPSRPG SPSPGGLDT VPR Sequence without tag. The proposed Purification-Tag is based on experiences with the expression</p>

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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	CBFA2T3
Alternative Name:	CBFA2T3 (CBFA2T3 Products)
Background:	<p>Protein CBFA2T3 (MTG8-related protein 2) (Myeloid translocation gene on chromosome 16 protein) (hMTG16) (Zinc finger MYND domain-containing protein 4),FUNCTION: Transcriptional corepressor which facilitates transcriptional repression via its association with DNA-binding transcription factors and recruitment of other corepressors and histone-modifying enzymes (PubMed:12559562, PubMed:15203199). Can repress the expression of MMP7 in a ZBTB33-dependent manner (PubMed:23251453). Reduces the protein levels and stability of the transcriptional regulator HIF1A, interacts with EGLN1 and promotes the HIF1A prolyl hydroxylation-dependent ubiquitination and proteasomal degradation pathway (PubMed:25974097). Contributes to inhibition of glycolysis and stimulation of mitochondrial</p>

Target Details

respiration by down-regulating the expression of glycolytic genes including PFKFB3, PFKFB4, PDK1, PFKP, LDHA and HK1 which are direct targets of HIF1A (PubMed:23840896, PubMed:25974097). Regulates the proliferation and the differentiation of erythroid progenitors by repressing the expression of TAL1 target genes (By similarity). Plays a role in granulocyte differentiation (PubMed:15231665). {ECO:0000250|UniProtKB:O54972, ECO:0000269|PubMed:12183414, ECO:0000269|PubMed:15231665, ECO:0000269|PubMed:16966434, ECO:0000269|PubMed:23251453, ECO:0000269|PubMed:23840896, ECO:0000269|PubMed:25974097, ECO:0000303|PubMed:12559562, ECO:0000303|PubMed:15203199}., FUNCTION: Isoform 2 functions as an A-kinase-anchoring protein (PubMed:11823486). {ECO:0000269|PubMed:11823486}.

Molecular Weight:	71.2 kDa
UniProt:	O75081

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