

Datasheet for ABIN7554633

CBFA2T2 Protein (AA 1-604) (His tag)



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Overview

Quantity:	1 mg
Target:	CBFA2T2
Protein Characteristics:	AA 1-604
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CBFA2T2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CBFA2T2 Protein expressed in mammalian cells.
Sequence:	<p>MAKESGISLK EIQVLARQWK VGPEKRV PAM PGSPVEVKIQ SRSSPPTMPP LPPINPGGPR</p> <p>PVSFTPTALS NGINHSPPTL NGAPSPQRF SNGPASSTSS ALTNQQLPAT CGARQLSKLK</p> <p>RFLTTLQQFG NDISPEIGK VRTLVLALVN STVTIEEFHC KLQEATNFPL RPFVIPFLKA</p> <p>NLPLLQRELL HCARAQKTP SQYLAQHEHL LLNTSIASPA DSSELLMEVH GNGKRPSPER</p> <p>REENSFDRDT IAPEPPAKRV CTISPAPRHS PALTVPLMNP GGQFHPTPPP LQHYTLEDIA</p> <p>TSHLYREPKN MLEHREVRDR HHSLGLNGGY QDELVDHRLT EREWADEWKH LDHALNCIME</p> <p>MVEKTRRSMA VLRRQCESDR EELNYWKRRY NENTELRKTG TELVSRQHSP GSADSLSNDS</p> <p>QREFNSRPGT GYVPVEFWKK TEEAVNKVKI QAMSEVQKAV AEAEQKAFEV IATERARMEQ</p> <p>TIADVKRQAA EDAFLVINEQ EESTENCWNC GRKASETCSG CNIARYCGSF CQHKDWERHH</p> <p>RLCGQNLHGQ SPHGQGRPLL PVGRGSSARS ADCSVSPAL DKTSATTSRS STPASVTAID TNGL</p> <p>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.</p>

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.
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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).
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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)
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Grade:	custom-made
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Target Details

Target:	CBFA2T2
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Alternative Name:	CBFA2T2 (CBFA2T2 Products)
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Background:	<p>Protein CBFA2T2 (ETO homologous on chromosome 20) (MTG8-like protein) (MTG8-related protein 1) (Myeloid translocation-related protein 1) (p85),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). Via association with PRDM14 is involved in regulation of embryonic stem cell (ESC) pluripotency (PubMed:27281218). Involved in primordial germ cell (PCG) formation. Stabilizes PRDM14 and OCT4 on chromatin in a homooligomerization-dependent manner (By similarity). Can repress the expression of MMP7 in a ZBTB33-dependent manner (PubMed:23251453). May function as a complex with the chimeric protein RUNX1/AML1-CBFA2T1/MTG8 (AML1-MTG8/ETO fusion protein) which is produced in acute</p>
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Target Details

myeloid leukemia with the chromosomal translocation t(8,21). May thus be involved in the repression of AML1-dependent transcription and the induction of G-CSF/CSF3-dependent cell growth. May be a tumor suppressor gene candidate involved in myeloid tumors with the deletion of the 20q11 region. Through heteromerization with CBFA2T3/MTG16 may be involved in regulation of the proliferation and the differentiation of erythroid progenitors by repressing the expression of TAL1 target genes (By similarity). Required for the maintenance of the secretory cell lineage in the small intestine. Can inhibit Notch signaling probably by association with RBPJ and may be involved in GF11-mediated Paneth cell differentiation (By similarity). {ECO:0000250|UniProtKB:O70374, ECO:0000269|PubMed:23251453, ECO:0000303|PubMed:12559562, ECO:0000303|PubMed:15203199}.

Molecular Weight: 67.1 kDa

UniProt: [O43439](#)

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