

Datasheet for ABIN7562544
CBFA2T2 Protein (AA 1-594) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	CBFA2T2
Protein Characteristics:	AA 1-594
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CBFA2T2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Cbfa2t2 Protein expressed in mammalien cells.
Sequence:	MVGVPGAAAF QLGCEKRVPA MPGSPVEVKI QSRSSPPIMP PLPPINPGGP RVSFTPTAL SNGINHSPPT LNGAPSPQR FSNGPASSTS SALTNQQLPA TCGARQLSKL KRFLTTLQQF GNDISPEIGE KVRTLV LALV NSTVTIEEFH CKLQEATNFP LRPFVIPFLK ANLPLLQREL LHCARAAKQT PSQYLAQHEH LLLNTSIASP ADSELLMEV HGNGKRPSPE RRDENNFERD TVPPEPPAKR VCTISPAPRH SPALTVPLMN PGGQFHPTPP PLQHYTLEDI ATSHLYREPN KMLEHREVRE RHHNLSLNGG YQDELVDHRL TEREWADWK HLDHALNCIM EMVEKTRRSM AVLRRCQESD REELNYWKRR FNENTELRKT GTELVSRQHS PGSTDLSND SQREFTSRPA TGYPVPEFWK KTEEAVNKVK IQAMSEVQKA VAEAEQKAFE VIATERARME QTIADVQRQA AEDAFVLVINE QEESTENCWN CGRKASETCS GCNIARYCGS FCQHKDWERH HRLCGQSLHG HSPHSQSRPL LPGGRGSARS ADCSVSPAL DKTSATTSSRS STPASVTAID ANGL 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:	<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, Western Blot
Grade:	custom-made

Target Details

Target:	CBFA2T2
Alternative Name:	Cbfa2t2 (CBFA2T2 Products)
Background:	<p>Protein CBFA2T2 (MTG8-like protein) (MTG8-related protein 1),FUNCTION: Transcriptional corepressor which facilitates transcriptional repression via its association with DNA-binding transcription factors and recruitment of other corepressors and histone-modifying enzymes. Via association with PRDM14 is involved in regulation of embryonic stem cell (ESC) pluripotency. Involved in primordial germ cell (PCG) formation (PubMed:27281218). Stabilizes PRDM14 and OCT4 on chromatin in a homooligomerization-dependent mannerCan repress the expression of MMP7 in a ZBTB33-dependent manner (By similarity). 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 (PubMed:19799863). Required for the maintenance of the secretory cell lineage in the small intestine (PubMed:16227606). Can inhibit Notch signaling probably by association with RBPJ</p>

Target Details

and may be involved in GFI1-mediated Paneth cell differentiation (PubMed:25398765).
{ECO:0000250|UniProtKB:O43439, ECO:0000269|PubMed:16227606,
ECO:0000269|PubMed:25398765, ECO:0000269|PubMed:27281218}.

Molecular Weight: 65.9 kDa

UniProt: [O70374](#)

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