

## CBFA2T1 Protein, Human, Recombinant (His &amp; Myc)

## General Information

Synonyms:	Cyclin-D-related protein;ZMYND2;RUNX1T1;CDR;AML1T1;MTG8;Zinc finger MYND domain-containing protein 2;Protein ETO;Protein MTG8;Protein CBFA2T1;ETO;Eight twenty one protein;CBFA2T1
Protein Construction:	1-604 aa
Species:	Human
Expression Host:	E. coli
Accession:	Q06455
Molecular Weight:	75 kDa (predicted)
AA Sequence:	MISVKRNTWRALSLVIGDCRKKGNFEYCQDRTEKHSTMPDSPVDVKTQSRLTPPTMPPPTTQGAPRTSSFTP TTLTNGTSHSPTALNGAPSPNGFSNGPSSSSSSSLANQQLPPACGARQLSKLKRFLTLQQFGNDISPEIGER VRTLVLGLVNSTLTIEEFHSKLQEATNFPLRPFVIPFLKANLPLLQRELLHCARLAKQNPAQYLAQHEQLLLDAS TTSPVDSSELLLDVNENGRRTPDRTKENGFDREPLHSEHPSKRPCTISPGQRYSPNGLSYQPNGLPHPTPP PPQHYRLDDMAIAHHRDSYRHPSHRDLRDRNRPMGLHGTRQEEMIDHRLTDREWAEWVKHLDHLLNCIM DMVEKTRRSLTVLRRCQEADREELNYWIRRYSDAEDLKKGGSSSSSHRQSPVNPDPVALDAHREFLHRP ASGYVPEEIWKKAEEAVNEVKRQAMTELQKAVSEAERKAHDMITTERAKMERTVAEAKRQAAEDALAVINQ QEDSSESCWNCGRKASETCSGCNTARYCGSFCQHKDWEKHHHICGQTLQAQQQGDTPAVSSSVTPNSGAG SPMDTPPAATPRSTTPGTPSTIETTPR

## QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

## Preparation and Storage

## Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

## Stability &amp; Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

*Actual storage temperature shall be subject to the COA.*

### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Transcriptional corepressor which facilitates transcriptional repression via its association with DNA-binding transcription factors and recruitment of other corepressors and histone-modifying enzymes. Can repress the expression of MMP7 in a ZBTB33-dependent manner. Can repress transactivation mediated by TCF12. Acts as a negative regulator of adipogenesis. The AML1-MTG8/ETO fusion protein frequently found in leukemic cells is involved in leukemogenesis and contributes to hematopoietic stem/progenitor cell self-renewal.

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Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481