



# Recombinant Human Protein CBFA2T2 (CBFA2T2)

<b>Product Code</b>	CSB-MP004575HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O43439
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	<p>           MAKESGISLK EIQVLRQWK VGPEKRV PAM PGSPVEVKIQ SRSSPPTMPP            LPPINPGGPR PVSFTPTALS NGINHSPPTL NGAPSPQRF SNGPASSTSS            ALTNQQLPAT CGARQLSKLK RFLTTLQQFG NDISPEIGEK VRTLVLALVN            STVTIEEFHC KLQEATNFPL RPFVIPFLKA NLPLLQRELL HCARAQKTP            SQYLAQHEHL LLNTSIASPA DSSELLMEVH GNGKRSPER REENSFDRDT            IAPEPPAKRV CTISPAPRHS PALTVPLMNP GGQFHPTPPP LQHYTLEDIA            TSHLYREP NK MLEHREVRDR HHSGLGLNGGY QDELVDHRLT            EREWADEWKH LDHALNCIME MVEKTRRSMA VLRRQCESDR            EELNYWKRRY NENTELRKTG TELVSRQHSP GSADSLSNDS QREFNSRPGT            GYVPVEFWKK TEEAVNKVKI QAMSEVQKAV AEAEQKAFEV IATERARMEQ            TIADVQRQAA EDAFLVINEQ EESTENCWNC GRKASETCSG CNIARYCGSF            CQHKDWERHH RLCGQNLHGQ SPHGQGRPLL PVGRGSSARS            ADCSVPSPAL DKTSATTSRS STPASVTAID TNGL         </p>
<b>Source</b>	Mammalian cell
<b>Target Names</b>	CBFA2T2
<b>Protein Names</b>	Recommended name: Protein CBFA2T2 Alternative name(s): ETO homologous on chromosome 20 MTG8-like protein MTG8-related protein 1 Myeloid translocation-related protein 1 p85
<b>Expression Region</b>	1-604
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	In acute myeloid leukemia, especially in the M2 subtype, the t(8;21)(q22;q22) translocation is one of the most frequent karyotypic abnormalities. The translocation produces a chimeric gene made up of the 5'-region of the RUNX1 (AML1) gene fused to the 3'-region of the CBFA2T1 (MTG8) gene. The chimeric protein is thought to associate with the nuclear corepressor/histone deacetylase complex to block hematopoietic differentiation. This protein binds to the AML1-MTG8 complex and may be important in promoting leukemogenesis. Several transcript variants are thought to exist for this gene, but the full-length nature of



only three have been described.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.