



Recombinant Human Protein CBFA2T2 (CBFA2T2)

Product Code	CSB-YP004575HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O43439
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MAKESGISLK EIQVLARQWK VGPEKRV PAM PGSPVEVKIQ SRSSPPTMPP LPPINPGGPR PVSFTPTALS NGINHSPPTL NGAPSPQRF SNGPASSTSS ALTNQQLPAT CGARQLSKLK RFLTTLQQFG NDISPEIGEK VRTLVLALVN STVTIEEFHC KLQEATNFPL RPFVIPFLKA NLPLLQRELL HCARA AKQTP SQYLAQHEHL LLNTSIASPA DSSELLMEVH GNGKRSPER REENSFDRDT IAPEPPAKRV CTISPAPRHS PALT VPLMNP GGQFHPTPPP LQHYTLEDIA TSHLYREP NK MLEHREVRDR HHS LGLNGGY QDELVDHRLT EREWADEWKH LDHALNCIME MVEKTRRSMA VLRRQCESDR EELNYWKRRY NENTELRKTG TELVSRQHSP GSADSLNDS QREFNSRPGT GYVPVEFWKK TEEAVNKVKI QAMSEVQKAV AEAEQKAFEV IATERARMEQ TIADV KRQAA EDAFLVINEQ EESTENCWNC GRKASETCSG CNIARYCGSF CQHKDWERHH RLCGQNLHGQ SPHGQGRPLL PVGRGSSARS ADCSVPSPAL DKTSATTSRS STPASVTAID TNGL
Source	Yeast
Target Names	CBFA2T2
Protein Names	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
Expression Region	1-604
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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 natures of



only three have been described.

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.

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.