

Recombinant Full Length Human CBFA2T2 Protein, GST-tagged

Cat. No. CBFA2T2-2755HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CBFA2T2 full-length ORF (AAH40344, 1 a.a. - 614 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	614 amino acids
Description	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. The protein encoded by this gene 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. [provided by RefSeq, Jul 2008]
Molecular Mass	93.28 kDa
AA Sequence	MGFHHVQGQARLELLTSGDLPALASQRAGITVGPEKRV PAMPGSPVEVKIQSRSSPP TMPPLPPINPGGPRPV SFTPTALSNGINHSPPTLNGAPSP PQRF SNGPASSTSSALT NQQLPATCGARQLSKLKRFLTTLQQFGNDISPEIGEKVRTLV LALVNSTVTIEEFHCK

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LQEATNFPLRPFVIPFLKANLPLLQRELLHCARAAKQTPSQYLAQHEHLLNLSIASPA
 DSSELLMEVHGNGKRPSPERREENSFDRDTIAPEPPAKRVCTISPAPRHSPALTVPL
 MNPGGQFHPTPPPLQHYTLEDIATSHLYREPNKMLEHREVRDRHHSGLNGGYQD
 ELVDHRLTEREWADEWKHLDHALNCIMEMVEKTRRSMAVLRRRCQGSREELNYW
 KRRYNENTELRKTGTTELVSQRQHSPGSADSLSNSQREFNSRPGTGYVPVEFWKKT
 EEAVNKVKIQAMSEVQKAVAEAEQKAFEVIATERARMEQTIADVQRQAAEDAFVLIN
 EQEESTENCWNCGRKASETCSGCNIARYCGSFCQHKDWERHHRLCGQNLHGQSP
 HGQGRPLLPVGRGSSARSADCSVPSPALDKTSATTSSSTPASVTAIDTNGL

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION
Gene Name

CBFA2T2 core-binding factor, runt domain, alpha subunit 2; translocated to, 2 [Homo sapiens]

Official Symbol

CBFA2T2

Synonyms

CBFA2T2; core-binding factor, runt domain, alpha subunit 2; translocated to, 2;
 protein CBFA2T2; MTGR1; ZMYND3; MTG8-like protein; MTG8-related protein 1;
 ETO homolog on chromosome 20; ETO homologous on chromosome 20; myeloid
 translocation-related protein 1; myeloid translocation gene-related protein 1; EHT;
 p85; DKFZp313F2116;

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Gene ID	9139
mRNA Refseq	NM_001032999
Protein Refseq	NP_001028171
MIM	603672
UniProt ID	O43439

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