

Full-Length

CBFA2T2 (Human) Recombinant Protein (P01)

Catalog # H00009139-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CBFA2T2 full-length ORF (AAH40344, 1 a.a. - 614 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGFHHVGGARLELLTSGDLPALASQRAGITVGPEKRVAMPGPSVEVKIQSRSSPPTMPPLPPIN
PGGPRPVSFTPTALSNGINHSPPTLNGAPSPPPQRFSSNGPASSTSSALTNQQLPATCGARQLSKLK
RFLTTLQQFGNDISPEIGEKVRTLVLALVNSTVTIEEFHCKLQEATNFPLRPFVIPFLKANLPLLQRE
LLHCARAAKQTPSQYLAQHEHLLNNTSIASPADSSELLMEVHGNGKRPSPERREENSFDRDTIAP
EPPAKRVCTISPAPRHSPALTVPLMNPGGQFHPTPPPLQHYTLEDIATSHLYREPKNKMLEHREVR
DRHSLGLNGGYQDELVDHRLTEREWADEWKHLDHALNCIMEMVEKTRRSMVLRRCQGSDR
EELNYWKRRYNENTELRKTGTGLVSRQHSPGSADSLNDSQREFNSRPGTGYVPVEFWKKTEE
AVNKVKIQAMSEVQKAVAEAEQKAFEVIATERARMEQTIADVQRQAEDAFLVINEQEESTENCW
NCGRKASETCSGCNIARYCGSFCQHKDWERHHRLCGQNLHGQSPHGQGRPLLPGVGRGSSARS
ADCSVPSPALDKTSATTSRSSPTASVTAIDTNGL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

93.28

Interspecies Antigen Sequence

Mouse (95); Rat (94)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — CBFA2T2

Entrez GeneID	9139
GeneBank Accession#	BC040344
Protein Accession#	AAH40344
Gene Name	CBFA2T2
Gene Alias	DKFZp313F2116, EHT, MTGR1, ZMYND3
Gene Description	core-binding factor, runt domain, alpha subunit 2; translocated to, 2
Omim ID	603672
Gene Ontology	Hyperlink

Gene Summary	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 AM L1-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. [provided by RefSeq]
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Other Designations

ETO homolog on chromosome 20|MTG8-like protein|OTTHUMP00000030653|myeloid translocation gene-related protein 1
