

Product datasheet for TP302013M

MTGR1 (CBFA2T2) (NM_001039709) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human core-binding factor, runt domain, alpha subunit 2; translocated to, 2 (CBFA2T2), transcript variant 4, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202013 protein sequence Red=Cloning site Green=Tags(s)

MGFHHVQGARLELLTSGDLPALASQRAGITVGPEKRVAMPGSPVEVKIQSRSSPPTMPPLPPINPGGPR
 PVSFTPTALSNGINHSPPTLNGAPSPQRFNSNGPASSTSSALTNQQLPATCGARQLSKLKRFLTLQQFG
 NDISPEIGEKVRTLVLALVNSTVTIEEFHCKLQEATNFPLRPFVIPFLKANLPLLQRELLHCARAQKTP
 SQYLAQHEHLLNTSIASPADSSELLMEVHGNGKRSPERREENSFDRDTIAPEPPAKRVCTISPAPRHS
 PALTVPMLNPPGGQFHPTPPPLQHYTLEDIATSHLYREPKNMLEHREVRDRHHSGLNGGYQDELVDHRLT
 EREWADEWKHLHDHALNCIMEMVEKTRRSMAVLRRCQESDREELNYWKRRYNENTELRKTGTELVSRQHSP
 GSADSLSNDQSREFNSRPGTGYVPVEFWKTEEAVNKVKIQAMSEVQKAVAEAEQKA FEVIATERARMEQ
 TIADVQRQAEDAFLVINEQEESTENCWNCGRKASETCSGCNIARYCGSFCQHKDWERHHRLCGQNLHGQ
 SPHGQGRPLL PVGRGSSARSADCSVPSPALDKTSATTSRSSTPASVTAIDTNGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	63.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_001034798](#)

Locus ID: 9139

UniProt ID: [O43439](#)

RefSeq Size: 7449

Cytogenetics: 20q11.21-q11.22

RefSeq ORF: 1845

Synonyms: EHT; MTGR1; p85; ZMYND3

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 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. [provided by RefSeq, Jul 2008]

Protein Families: Transcription Factors

Product images:



Coomassie blue staining of purified CBFA2T2 protein (Cat# [TP302013]). The protein was produced from HEK293T cells transfected with CBFA2T2 cDNA clone (Cat# [RC202013]) using MegaTran 2.0 (Cat# [TT210002]).