

Product datasheet for PH302013

MTGR1 (CBFA2T2) (NM_001039709) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CBFA2T2 MS Standard C13 and N15-labeled recombinant protein (NP_001034798)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202013
Predicted MW:	68 kDa
Protein Sequence:	>RC202013 protein sequence Red=Cloning site Green=Tags(s)

MGFHHVQGARLELLTSGDLPALASQRAGITVGPEKRVPPAMPGSPVEVKIQSRSSPPTMPPLPPINPGGPR
PVSFTPTALSNGINHSPTLNAGSPSPQRFNGPASSTSSALTNQQLPATCGARQLSKLKRFLTTLQQFG
NDISPEIGEKVRTLVLALVNSTVTIEEFHCKLQEATNFPLRPFVIPFLKANLPLLQRELLHCARAAKQTP
SQYLAQHEHLLNTSIASPADSSELLMEVHGNGKRSPERREENSFDRDTIAEPPAKRVCTISAPRHS
PALTVPMLMPPGGQFHPTPPPLQHYLTEDIATSHLYREPKNMLEHREVRDRHSLGLNGGYQDELVDHRLT
EREWADEWKHLHALNCIMEMVEKTRRSMAVLRRCQESDREELNYWKRRYNENTELRKTGTLEVSQRHSP
GSADSLNDSQREFNSRPGTGYVPVEFWKKTTEEAVNKVKIQAMSEVQKAVAEAEQKAFEVIATERARMEQ
TIADVKRQAAEDAFVINEQEEESTENCWNCGRKASETCSGCNIARYCGSFCQHKDWERHRLCGQNLHGQ
SPHGQGRPLLPVGRGSSARSADCSVPSPALDKTSATTSRSSTPASVTAIDTNGL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001034798
RefSeq Size:	7449
RefSeq ORF:	1845



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Synonyms: EHT; MTGR1; p85; ZMYND3

Locus ID: 9139

UniProt ID: [O43439](#)

Cytogenetics: 20q11.21-q11.22

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]).