

Product datasheet for PH302013

OriGene Technologies, Inc.

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MTGR1 (CBFA2T2) (NM 001039709) Human Mass Spec Standard

Product data:

Product Type: Mass Spec Standards

CBFA2T2 MS Standard C13 and N15-labeled recombinant protein (NP_001034798) **Description:**

Species: Human **HEK293 Expression Host:** RC202013 **Expression cDNA Clone**

or AA Sequence:

Predicted MW: 68 kDa

>RC202013 protein sequence **Protein Sequence:**

Red=Cloning site Green=Tags(s)

MGFHHVGQARLELLTSGDLPALASQRAGITVGPEKRVPAMPGSPVEVKIQSRSSPPTMPPLPPINPGGPR PVSFTPTALSNGINHSPPTLNGAPSPPQRFSNGPASSTSSALTNQQLPATCGARQLSKLKRFLTTLQQFG NDISPEIGEKVRTLVLALVNSTVTIEEFHCKLQEATNFPLRPFVIPFLKANLPLLQRELLHCARAAKQTP SQYLAQHEHLLLNTSIASPADSSELLMEVHGNGKRPSPERREENSFDRDTIAPEPPAKRVCTISPAPRHS PALTVPLMNPGGQFHPTPPPLQHYTLEDIATSHLYREPNKMLEHREVRDRHHSLGLNGGYQDELVDHRLT EREWADEWKHLDHALNCIMEMVEKTRRSMAVLRRCQESDREELNYWKRRYNENTELRKTGTELVSRQHSP GSADSLSNDSQREFNSRPGTGYVPVEFWKKTEEAVNKVKIQAMSEVQKAVAEAEQKAFEVIATERARMEQ TIADVKRQAAEDAFLVINEQEESTENCWNCGRKASETCSGCNIARYCGSFCQHKDWERHHRLCGQNLHGQ

SPHGQGRPLLPVGRGSSARSADCSVPSPALDKTSATTSRSSTPASVTAIDTNGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Store at -80°C. Avoid repeated freeze-thaw cycles. Storage:

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:** 043439

Cytogenetics: 20q11.21-q11.22

Summary: In acute myeloid leukemia, especially in the M2 subtype, the t(8;21)(q22;q22) translocation is

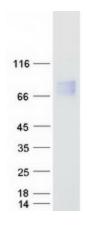
one of the most frequent karyotypic abnormalities. The translocation produces a chimeric gene made up of the 5'-region of the RUNX1 (AML1) gene fused to the 3'-region of the CBFA2T1 (MTG8) gene. The chimeric protein is thought to associate with the nuclear

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 natures 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]).