

Recombinant Human CBFA2T3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CBFA2T3-2858H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CBFA2T3 MS Standard C13 and N15-labeled recombinant protein (NP_005178) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the myeloid translocation gene family which interact with DNA-bound transcription factors and recruit a range of corepressors to facilitate transcriptional repression. The t(16;21)(q24;q22) translocation is one of the less common karyotypic abnormalities in acute myeloid leukemia. The translocation produces a chimeric gene made up of the 5'-region of the runt-related transcription factor 1 gene fused to the 3'-region of this gene. This gene is also a putative breast tumor suppressor. Alternative splicing results in transcript variants.
Molecular Mass	71.2 kDa
AA Sequence	MPASRLRDRAASSASGSTCGSMSQTHPVLESGLLASAGCSAPRGPRKGGPAPVDR KAKASAMPDSPAIEVKTQPRSTPPSMPPPPPAASQGATRPPSFTPHTHREDGPATLP HGRFHGCKLWSMVCLLMNGSSHSPTAINGAPCTPNGFSNGPATSSSTASLSTQHLP PACGARQLSKLKRFLTTLQQFGSDISPEIGERVRTLVLGLVNSTLTIEEFHSKLQEAT NFPLRPLVIPFLKANLPLLQRELLHCARLAKQTPAQYLAQHEQLLLDASASSPIDSSEL LLEVNENGKRRTPDRTKENGSDRDPLHPEHLKRPCTLNPAQRYSPSNGPPQPTP

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PPHYRLEDIAMAHHFRDAYRHPDPRELRRHRPLVVPGSRQEEVIDHKLTEREWAE
 EWKHLNLLNCIMDMVEKTRRSLTVLRRCQEADREELNHWARRYSDAEDTKKGPA
 PAAARPRSSSAGPEGPQLDVPREFLPRTLTYVPEDIWRKAEEAVNEVKRQAMSEL
 QKAVSDAERKAHELITTERAKMERALAEAKRQASEDALTVINQQEDSSWSCWNCGR
 KASETCSGCNAARYCGSFCQHRDWEKHHHVCQGSLQGPTAVVADPVPGPPEAAH
 SLGPSLPVGAASPSEAGSAGPSRPGSPSPGPLDTVPRTTRTRPLEQKLISEEDLAAN
 DILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CBFA2T3 CBFA2/RUNX1 partner transcriptional co-repressor 3 [Homo sapiens (human)]

Official Symbol CBFA2T3

Synonyms CBFA2T3; core-binding factor, runt domain, alpha subunit 2; translocated to, 3; protein CBFA2T3; MTG16; MTGR2; myeloid translocation gene 8 and 16b; ZMYND4; MTG8-related gene 2; MTG8-related protein 2; zinc finger MYND domain-containing protein 4; myeloid translocation gene on chromosome 16 protein; ETO2;

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Gene ID	863
mRNA Refseq	NM_005187
Protein Refseq	NP_005178
MIM	603870
UniProt ID	O75081
SDS-PAGE	