Recombinant Human RUNX1T1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RUNX1T1-2942H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RUNX1T1 MS Standard C13 and N15-labeled recombinant protein (NP_783554) 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(8;21)(q22;q22) translocation is one of the most frequent 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. The chimeric protein is thought to associate with the nuclear corepressor/histone deacetylase complex to block hematopoietic differentiation. Alternative splicing results in multiple transcript variants.
Molecular Mass	63.2 kDa
AA Sequence	MPDSPVDVKTQSRLTPPTMPPPPTTQGAPRTSSFTPTTLTNGTSHSPTALNGAPSP PNGFSNGPSSSSSSSLANQQLPPACGARQLSKLKRFLTTLQQFGNDISPEIGERVRT LVLGLVNSTLTIEEFHSKLQEATNFPLRPFVIPFLKANLPLLQRELLHCARLAKQNPAQ YLAQHEQLLLDASTTSPVDSSELLLDVNENGKRRTPDRTKENGFDREPLHSEHPSK RPCTISPGQRYSPNNGLSYQPNGLPHPTPPPPQHYRLDDMAIAHHYRDSYRHPSHR

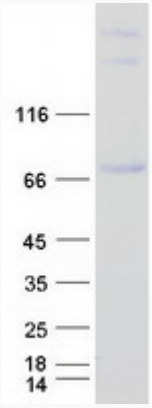
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	DLRDRNRPMGLHGTRQEEMIDHRLTDREWAEEWKHLDHLLNCIMDMVEKTRRSLT VLRRCQEADREELNYWIRRYSDAEDLKKGGGSSSSHSRQQSPVNPDPVALDAHRE FLHRPASGYVPEEIWKKAEEAVNEVKRQAMTELQKAVSEAERKAHDMITTERAKME RTVAEAKRQAAEDALAVINQQEDSSESCWNCGRKASETCSGCNTARYCGSFCQHK DWEKHHHICGQTLQAQQQGDTPAVSSSVTPNSGAGSPMDTPPAATPRSTTPGTPS TIETTPRTRTRPLEQKLISEEDLAANDILDYKDDDDKV
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	RUNX1T1 RUNX1 partner transcriptional co-repressor 1 [Homo sapiens (human)]
Official Symbol	RUNX1T1
Synonyms	RUNX1T1; runt-related transcription factor 1; translocated to, 1 (cyclin D-related); AML1T1, CBFA2T1, core binding factor, runt domain, alpha subunit 2; translocated to, 1; cyclin D related; protein CBFA2T1; CDR; ETO; MTG8; ZMYND2; eight twenty one protein; myeloid translocation gene on 8q22; zinc finger MYND domain-containing protein 2; acute myelogenous leukemia 1 translocation 1, cyclin-D related; core-binding factor, runt domain, alpha subunit 2; translocated to, 1; cyclin D-related; AML1T1; CBFA2T1; MGC2796; FLJ33145; DKFZp564B213;

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Gene ID	862
mRNA Refseq	NM_175636
Protein Refseq	NP_783554
MIM	133435
UniProt ID	Q06455
SDS-PAGE	

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