

Product datasheet for PH322426

RUNX1T1 (NM_175635) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RUNX1T1 MS Standard C13 and N15-labeled recombinant protein (NP_783553)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222426
Predicted MW:	63 kDa
Protein Sequence:	>RC222426 representing NM_175635 Red=Cloning site Green=Tags(s)

MPDSPVDVKTQSRLTPPTMPPPTTQGAPRTSSFPTTTLNNGTSHSPTALNGAPSPPPNGFSNGPSSSSSS
SLANQQLPPACGARQLSKLKRFLTTLQQFGNDISPEIGERVRTLVLGLVNSTLTIEEFHSLKQEATNFPL
RPFVIPFLKANLPLLQRELLHCARLAKQNPAYLAQHEQLLLDASTTSPVDSSELLLDVNEKRRTPDR
TKENGFDRPLHSEHPSKRPTISPGQRYSPNGLSYQPNGLPHPTPPPQHYRLDDMAIAHHYRDSYRH
PSHRDLRDRNRMGLHGTRQEEMIDHRLTDREWAEWKHLDHLLNCIMDMVEKTRRSLTVLRRCQEADRE
ELNYWIRRYSDAEDLKKGGGSSSSHSRQQSPVNPDPVALDAHREFLHRPASGYVPEEIKKAEAEAVNEVK
RQAMTELQKAVSEAERKAHDMITTERAKMERTVAEAKRQAEDALAVINQQEDSSSEWCNCRKASSETCS
GCNTARYCGSFCQHKDWEKHHHICGQTLQAQQGDTPAVSSSVTPNSGAGSPMDTPPAATPRSTTPGTPS
TIETTPR

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_783553
RefSeq Size:	3233
RefSeq ORF:	1701



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Synonyms: AML1-MTG8; AML1T1; CBFA2T1; CDR; ETO; MTG8; ZMYND2

Locus ID: 862

UniProt ID: [Q06455](#), [W8FW32](#)

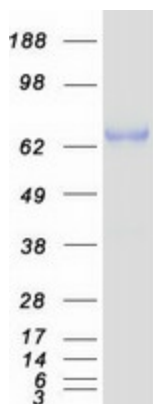
Cytogenetics: 8q21.3

Summary: 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. [provided by RefSeq, Nov 2010]

Protein Families: Transcription Factors

Protein Pathways: Acute myeloid leukemia, Pathways in cancer

Product images:



Coomassie blue staining of purified RUNX1T1 protein (Cat# [TP322426]). The protein was produced from HEK293T cells transfected with RUNX1T1 cDNA clone (Cat# [RC222426]) using MegaTran 2.0 (Cat# [TT210002]).