

## Product datasheet for PH300898

### RUNX1T1 (NM\_175636) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	RUNX1T1 MS Standard C13 and N15-labeled recombinant protein (NP_783554)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200898
Predicted MW:	63.2 kDa
Protein Sequence:	>RC200898 protein sequence Red=Cloning site Green=Tags(s)

MPDSPVDVKTQSRLTPPTMPPPTTQGAPRTSSFPTTTLNNGTSHSPTALNGAPSPPPNGFSNGPSSSSSS  
SLANQQLPPACGARQLSKLKRFLTTLQQFGNDISPEIGERVRTLVLGLVNSTLTIEEFHSLKQEATNFPL  
RPFVIFPLKANLPLLQRELLHCARLAKQNPAYLAQHEQLLLDASTTSPVDSSELLLDVNEKRRTPDR  
TKENGFDRPLHSEHPSKRPTISPGQRYSPNGLSYQPNGLPHPTPPPQHYRLDDMAIAHHYRDSYRH  
PSHRDLRDRNRMGLHGTRQEEMIDHRLTDREWAEWKHLHLLNCIMDMVEKTRRSLTVLRRCQEA  
DREELNYWIRRYSDAEDLKKGGGSSSSHSRQQSPVNPDPVALDAHREFLHRPASGYVPEEIKKAAEAVNEVK  
RQAMTELQKAVSEAERKAHDMITTERAKMERTVAEAKRQAEDALAVINQQEDSSSCWNCGRKAS  
ETCSGCNTARYCGSFCQHKDWEKHHHICGQTLQAQQGDTPAVSSSVTPNSGAGSPMDTPPAATPRSTTPGTPS  
TIEETPR

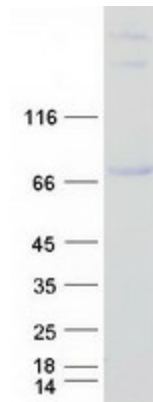
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_783554</a>
RefSeq Size:	7319
RefSeq ORF:	1701



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<b>Synonyms:</b>	AML1-MTG8; AML1T1; CBFA2T1; CDR; ETO; MTG8; ZMYND2
<b>Locus ID:</b>	862
<b>UniProt ID:</b>	<a href="#">Q06455</a> , <a href="#">W8FW32</a>
<b>Cytogenetics:</b>	8q21.3
<b>Summary:</b>	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]
<b>Protein Families:</b>	Transcription Factors
<b>Protein Pathways:</b>	Acute myeloid leukemia, Pathways in cancer

**Product images:**

Coomassie blue staining of purified RUNX1T1 protein (Cat# [TP300898]). The protein was produced from HEK293T cells transfected with RUNX1T1 cDNA clone (Cat# [RC200898]) using MegaTran 2.0 (Cat# [TT210002]).