

## Product datasheet for **TP322426L**

### **RUNX1T1 (NM\_175635) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human runt-related transcription factor 1; translocated to, 1 (cyclin D-related) (RUNX1T1), transcript variant 3, 1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA</b>	>RC222426 representing NM_175635
<b>Clone or AA Sequence:</b>	<b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MPDSPVDVKTQSRLTPPTMPPPTTQGAPRTSSFTPTTLNGTSHSPTALNGAPSPPNGFSNGPSSSSSS  
SLANQQLPPACGARQLSKLKRFLTTLQQFGNDISPEIGERVRTLVLGLVNSTLTIEEFHSKLQEATNFPL  
RPFVIPFLKANLPLLQRELLHCARLAKQNPAQYLAQHEQLLLDASTTSPVDSSELLLDVNENGRRTDPDR  
TKENGFDRPLHSEHPSKRPCTISPGQRYSPNNGLSYQPNGLPHTPPPPQHYRLDDMAIAHHYRDSYRH  
PSHRDLRDRNRPMGLHGTRQEEMIDHRLTDREWAEWVKHLDHLLNCIMDMVEKTRRSLTVLRRQCQADRE  
ELNYWIRRYSDAEDLKKGGGSSSSHSRQQSPVNPDPVALDAHREFLHRPASGYVPEEIWKKAEEAVNEVK  
RQAMTELQKAVSEAERKAHDMITTERAKMERTVAEAKRQAEDALAVINQQEDSSESCWNCGRKASETCS  
GCNTARYCGSFCQHKDWEKHHHICGQTLQAQQQGDTPAVSSSVTPNSGAGSPMDTPPAATPRSTTPGTPS  
TIETTPR

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

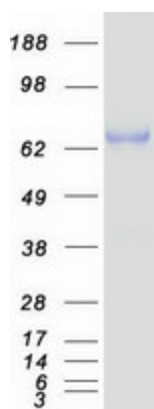
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	63 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_783553</a>
<b>Locus ID:</b>	862
<b>UniProt ID:</b>	<a href="#">Q06455</a> , <a href="#">W8FW32</a>
<b>RefSeq Size:</b>	3233
<b>Cytogenetics:</b>	8q21.3
<b>RefSeq ORF:</b>	1701
<b>Synonyms:</b>	AML1-MTG8; AML1T1; CBFA2T1; CDR; ETO; MTG8; ZMYND2
<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# [TP322426]). The protein was produced from HEK293T cells transfected with RUNX1T1 cDNA clone (Cat# [RC222426]) using MegaTran 2.0 (Cat# [TT210002]).