

## Product datasheet for TP322426

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

#### Product data:

|                       |  |
|-----------------------|--|
| Product Type:         | Recombinant Proteins   |
| Description:          | Recombinant protein of human runt-related transcription factor 1; translocated to, 1 (cyclin D-related) (RUNX1T1), transcript variant 3, 20 µg |
| Species:              | Human  |
| Expression Host:      | HEK293T  |
| Expression cDNA       | >RC222426 representing NM_175635   |
| Clone or AA Sequence: | Red=Cloning site Green=Tags(s)   |

MPDSPVDVKTQSRLTPPTMPPPTTQGAPRTSSFTPTTLNGTSHSPTALNGAPSPPNGFSNGPSSSSSS  
SLANQQLPPACGARQLSKLKRFLTTLQQFGNDISPEIGERVRTLVLGLVNSTLTIEEFHSKLQEATNFPL  
RPFVIPFLKANLPLLQRELLHCARLAKQNPAQYLAQHEQLLLDASTTSPVDSSELLLDVNENGRRTDPDR  
TKENGFREPLHSEHPSKRPTISPGQRYSPNNGLSYQPNGLPHTPPPPQHYRLDDMAIAHHYRDSYRH  
PSHRDLRDRNRPMGLHGTRQEEMIDHRLTDREWAEWVKHLDHLLNCIMDMVEKTRRSLTVLRRQCQADRE  
ELNYWIRRYSDAEDLKKGGGSSSSHSRQQSPVNPDPVALDAHREFLHRPASGYVPEEIWKKAEEAVNEVK  
RQAMTELQKAVSEAERKAHDMITTERAKMERTVAEAKRQAEDALAVINQQEDSSESCWNCGRKASETCS  
GCNTARYCGSFCQHKDWEKHHHICGQTLQAQQQGDTPAVSSSVTPNSGAGSPMDTPPAATPRSTTPGTPS  
TIETTPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

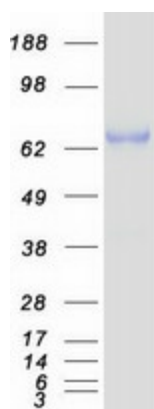
|                |  |
|----------------|--|
| Tag:           | C-Myc/DDK  |
| Predicted MW:  | 63 kDa   |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method   |
| Purity:        | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:        | 25 mM Tris-HCl, 100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