



# Recombinant Mouse Protein CBFA2T1 (Runx1t1)

<b>Product Code</b>	CSB-BP726765MO
<b>Abbreviation</b>	Runx1t1
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q61909
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MPDRTEKHST MPDSPVDVKT QSRLTPPAMP PPPTTQGAPR TSSFTPTTLT NGTSHSPTAL NGAPSPPNGF SNGPSSSSSS SLANQQLPPA CGARQLSKLK RFLTTLQQFG NDISPEIGER VRTLVLGLVN STLTIEEFHS KLQEATNFPL RPFVIPFLKA NLPLLQRELL HCARLAKQNP AQYLAQHEQL LLDASTTSPV DSSELLLDVN ENKRRTPDR TKENGFREP LHSEHPSKRP CTISPGQRY PNNGLSYQPN GLPHPTPPP QHYRLDDMAI AHHRDSYRH PSHRDLRDRN RPMGLHGTRQ EEMIDHRLTD REWAEWVKHL DHLLNCIMDM VEKTRRSLTV LRRQCQADRE ELNYWIRRY S DAEDLKKGGS SSSSHSRQQS PVNPDPVALD AHREFLHRPA SGYVPEEIKW KAEAEVNEVK RQAMTELQKA VSEAERKAHD MITTERAKME RTVAEAKRQA AEDALAVINQ QEDSSESCWN CGRKASETCS GCNTARYCGS FCQHKDWEKH HHICGQTLQA PQQGDTPAVS SSVTPSSGAG SPMDTPPAAT PRSTTPGTPS TIETTPR
<b>Source</b>	Baculovirus
<b>Target Names</b>	Runx1t1
<b>Protein Names</b>	Recommended name: Protein CBFA2T1 Alternative name(s): Protein MTG8
<b>Expression Region</b>	1-577
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	This protein is a putative zinc finger transcription factor and oncoprotein. In acute myeloid leukemia, especially in the M2 subtype, the t(8;21)(q22;q22) translocation is one of the most frequent karyotypic abnormalities. The translocation produces a chimeric gene made up of the 5'-region of the RUNX1 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. Several transcript variants encoding multiple isoforms have been found for this gene.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.