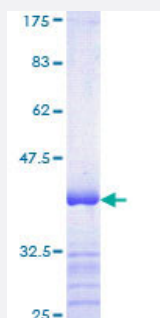


# RUNX1T1 (Human) Recombinant Protein (Q01)

Catalog # H00000862-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human RUNX1T1 partial ORF ( NP_004340, 416 a.a. - 525 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	EEIWKKAEAEAVNEVKRQAMTELQKAVSEAERKAHDMITTERAKMERTVAEAKRQAAEDALAVIN QQEDSSSESCWNCGRKASETCSGCNTARYCGSFCQHKDWEKHHHICG
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	37.84
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — RUNX1T1

Entrez GeneID [862](#)

GeneBank Accession# [NM\\_004349](#)

Protein Accession# [NP\\_004340](#)

Gene Name RUNX1T1

Gene Alias AML1T1, CBFA2T1, CDR, ETO, MGC2796, MTG8, MTG8b, ZMYND2

Gene Description runt-related transcription factor 1; translocated to, 1 (cyclin D-related)

Omim ID [133435](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** The protein encoded by this gene 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. [provided by RefSeq]

**Other Designations** acute myelogenous leukemia 1 translocation 1 protein|acute myelogenous leukemia 1 translocation 1, cyclin-D related|core-binding factor, runt domain, alpha subunit 2; translocated to, 1; cyclin D-related|eight twenty one protein|myeloid translocation gene

## Pathway

- [Acute myeloid leukemia](#)
- [Pathways in cancer](#)