

## Recombinant Human MLLT1 protein, GST-tagged

**Cat. No.** MLLT1-268H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human MLLT1(1-150 aa)(YEATS DOMAIN, Y78A) fused with GST tag at N-terminal was expressed in E. coli.                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | 1-150 a.a.                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | The ENL protein is part of the super elongation complex regulating RNA Pol II transcription. A chromosomal translocation resulting in an MLL-ENL fusion is involved in pediatric Acute Lymphoblastic Leukemia. ENL YEATS Domain, Y78A, Recombinant Human contains a substitution of alanine for tyrosine at position 78. |
| <b>Form</b>             | Recombinant GST-tagged protein at 1 mg/ml in 50 mM HEPES pH 7.3, 200 mM NaCl, 1 mM DTT, 10% glycerol.                                                                                                                                                                                                                    |
| <b>Molecular Mass</b>   | 42 kDa                                                                                                                                                                                                                                                                                                                   |
| <b>Applications</b>     | ENL YEATS Domain, Y78A, Recombinant Human is useful for protein binding and screening experiments examining acetylated protein substrates.                                                                                                                                                                               |
| <b>Storage</b>          | Stable for six months at -80 centigrade from date of receipt. For best results, aliquot and avoid multiple freeze/thaws.                                                                                                                                                                                                 |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Concentration** 1 mg/ml

## GENE INFORMATION

**Gene Name** MLLT1 myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 1 [ Homo sapiens ]

**Official Symbol** MLLT1

**Synonyms** MLLT1; myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 1; myeloid/lymphoid or mixed lineage leukemia (trithorax (Drosophila) homolog); translocated to, 1; protein ENL; ENL; LTG19; YEATS1; ENL/MLL fusion; MLLT1/MLL fusion; YEATS domain-containing protein 1; myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog); translocated to, 1;

**Gene ID** 4298

**mRNA Refseq** NM\_005934

**Protein Refseq** NP\_005925

**MIM** 159556

**UniProt ID** Q03111

**Chromosome Location** 19p13.3

**Pathway** Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem;

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