

## MLLT1/ENL recombinant protein

Recombinant MLLT1/ENL (1-148) protein

CATALOG #  
**AAA60131**

HOST  
**E Coli**

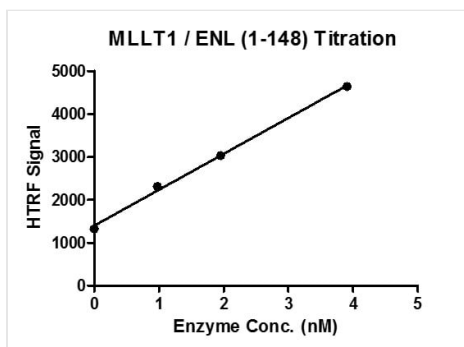
### PRODUCT SYNONYMS

MLLT1/ENL; Recombinant MLLT1/ENL (1-148) protein; Myeloid/Lymphoid Or Mixed-Lineage Leukemia; YEATS Domain-Containing Protein 1; MLLT1/ENL recombinant protein

### PRODUCT SPECIFICATIONS

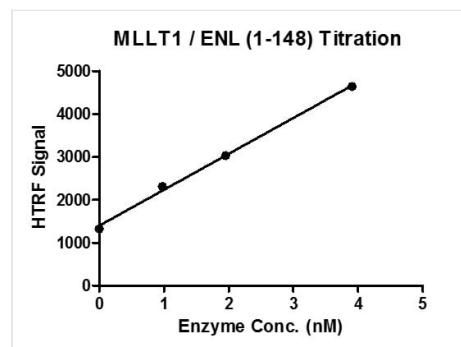
|                         |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Form/Format             | Recombinant MLLT1/ENL (1-148) protein is supplied in 25mM Tris- HCl pH8.0, 300mM NaCl, 10% glycerol and 0.5mM TCEP.                                                                                                                                                                                                                                                                                                          |
| Protein Species         | Human                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Tag                     | DYKDDDDK-Tag                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Notes                   | This product was manufactured as described in Protein Details. Where possible, We has developed functional or activity assays for recombinant proteins. Additional characterization such as enzyme kinetic activity assays, inhibitor screening or other biological activity assays may not have been performed for every product. All available data for a given product is shown on the lot-specific Technical Data Sheet. |
| Dry Ice Note            | The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.                                                                                                                                                                                                                                                                                                                           |
| Preparation and Storage | Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.<br>Shipping Temp: Dry Ice                                                                                                                                                                                                       |

### IMAGES



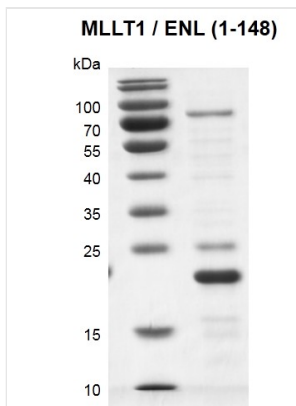
#### Application Data

HTRF assay for MLLT1 / ENL (1-148) activity 3  $\mu$ M H3K27cr (crotonylated K27) peptide was incubated with different concentrations of MLLT1 / ENL (1-148) protein in a 10  $\mu$ l reaction system containing 50mM HEPES-NaOH pH7.5, 0.1% BSA for 1 hr, then 10  $\mu$ l DYKDDDDK antibody and SA-XL665 mixture (each 1:100 dilution in Reaction Buffer) was added to each reaction system and incubated for 30 min. All the operations and reactions were performed at RT. HTRF was used for detection.



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#### SDS-PAGE

Recombinant MLLT1 / ENL (1-148) protein gel 12.5% SDS-PAGE Coomassie staining MW: 21.9 kDa Purity: >85%

### ADDITIONAL INFORMATION

|                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for MLLT1/ENL recombinant protein</b> | <p>Short Description: Recombinant human MLLT1/ENL (1-148) includes amino acids 1-148 (accession number NP_005925.2) was expressed in E Coli with an N-terminal 6xHis-tag and a C-terminal DYKDDDDK tag. The molecular weight of the protein is 21.9 kDa. It is suitable for use in the study of enzyme kinetics, inhibitor screening, and selectivity profiling.</p> <p>Background: MLLT1/ENL (Myeloid/Lymphoid Or Mixed-Lineage Leukemia; Translocated To, 1), also known as YEATS1 or LTG19, is a component of the super elongation complex (SEC), a complex required to increase the catalytic rate of RNA polymerase II transcription by suppressing transient pausing by the polymerase at multiple sites along the DNA.</p> |
| <b>Product Categories/Family for MLLT1/ENL recombinant protein</b>   | <a href="#">Recombinant Proteins</a> ; <a href="#">Transcription</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                   |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 21361272                                                                                                                                                                          |
| NCBI GeneID                      | 4298                                                                                                                                                                              |
| NCBI Accession #                 | NP_005925.2                                                                                                                                                                       |
| NCBI GenBank Nucleotide #        | NM_005934.3                                                                                                                                                                       |
| UniProt Accession #              | Q03111; Q14768                                                                                                                                                                    |
| Molecular Weight                 | 62,056 Da                                                                                                                                                                         |
| NCBI Official Full Name          | protein ENL                                                                                                                                                                       |
| NCBI Official Synonym Full Names | myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 1                                                                                    |
| NCBI Official Symbol             | MLLT1                                                                                                                                                                             |
| NCBI Official Synonym Symbols    | ENL; LTG19; YEATS1                                                                                                                                                                |
| NCBI Protein Information         | protein ENL; CTC-503J8.6; ENL/MLL fusion; MLLT1/MLL fusion; YEATS domain-containing protein 1; myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog); translocated to, 1 |
| UniProt Protein Name             | Protein ENL                                                                                                                                                                       |
| UniProt Gene Name                | MLLT1                                                                                                                                                                             |
| UniProt Synonym Gene Names       | ENL; LTG19; YEATS1                                                                                                                                                                |
| UniProt Entry Name               | ENL_HUMAN                                                                                                                                                                         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mlt1-recombinant-protein-e-coli/60131>