

Datasheet for ABIN7547325  
**MLLT1 Protein (AA 1-559) (His tag)**



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Overview

Quantity:	1 mg
Target:	MLLT1
Protein Characteristics:	AA 1-559
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MLLT1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat MLLT1 Protein expressed in mammalian cells.
Sequence:	MDNQCTVQVR LELGHRAQLR KKPTTEGFTH DWMVFVRGPE QCDIQHFVEK VVFWLHDSFP KPRRVCKEPP YKVEESGYAG FIMPIEVHFK NKEEPRKVCF TYDLFLNLEG NPPVNHRLCE KLTFNNPTTE FRYKLLRAGG VMVMPEGADT VSRSPDYPM LPTIPLSAFS DPKKTKPSHG SKDANKESSK TSKPHKVTKE HRERPRKDSE SKSSSKELER EQAKSSKDTs RKLGEGRLPK EEKAPPPKAA FKEPKMALKE TKLESTSPKG GPPPPPPPPP RASSKRPATA DSPKPSAKKQ KKSSSKGSRS APGTSPRTSS SSSFSDKKPA KDKSSTRGEK VKAESEPREA KKALEVEESN SEDEASFKSE SAQSSPSNSS SSSDSSSDSD FEPSQNHSQG PLRSMVEDLQ SEEDDEDSS SGEEAAGKTN PGRDSRLSFS DSESDNSADS SLPSREPPPP QKPPPPNSKV SGRRSPESCS KPEKILKKG TDKAYTDELV ELHRRMLALR ERNVLQQIVN LIEETGHFNV TTTTFDFDLF SLDETTVRKL QSCLEAVAT <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make</b>

**another tag necessary. In case you have a special request, please contact us.**

### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

### Grade:

custom-made

## Target Details

### Target:

MLLT1

### Alternative Name:

MLLT1 ([MLLT1 Products](#))

### Background:

Protein ENL (YEATS domain-containing protein 1),FUNCTION: Chromatin reader 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 (PubMed:20159561, PubMed:20471948). Specifically recognizes and binds acetylated and crotonylated histones, with a preference for histones that are crotonylated (PubMed:27105114). Has a slightly higher affinity for binding histone H3 crotonylated at 'Lys-27' (H3K27cr) than 'Lys-20' (H3K9cr20) (PubMed:27105114). {ECO:0000269|PubMed:20159561, ECO:0000269|PubMed:20471948, ECO:0000269|PubMed:27105114}., FUNCTION: Acts as a key chromatin reader in acute myeloid leukemia by recognizing and binding to acetylated histones via its YEATS domain, thereby regulating oncogenic gene transcription. {ECO:0000269|PubMed:28241139, ECO:0000269|PubMed:28241141}.

## Target Details

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Molecular Weight: 62.1 kDa

UniProt: [Q03111](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months