

Datasheet for ABIN7562423

## MLLT10 Protein (AA 1-1068) (His tag)



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### Overview

Quantity:	1 mg
Target:	MLLT10
Protein Characteristics:	AA 1-1068
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MLLT10 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant Mllt10 Protein expressed in mammalian cells.
Sequence:	<p>MVSSDRPVSL EDEVSHSMKE MIGGCCVCSD ERGWAENPLV YCDGHGCSVA VHQACYGIVQ</p> <p>VPTGPWFCKR CESQERAARV RCELCPHKDG ALKRTDNGGW AHVVCALYIP EVQFANVSTM</p> <p>EPIVLQSVPH DRYNKTCYIC DEQGRESKAA TGACMTCNKH GCRQAFHVTC AQFAGLLCEE</p> <p>EGNGADNVQY CGYCKYHFSK LKKSCKRGSNR SYEQSLSDSS SHSQDKHHEK EKKKYKEKDK</p> <p>HKQKHKKQPE PSPALVPSLT VTTEKTYTST SNNSISGSLK RLEDTAARFT NANFQEVSAH</p> <p>TSSGKDVSEA RGSEGKGKKS SAHSSGQRGR KPGAGRNPQT AVSASSFPFQ GSFSGTPGSV</p> <p>KSSSGSSVQS PQDFLSFTDS DLRSDSYTHT QQPSSTKDVH KGESGSQEAA VNSFSSLVGH</p> <p>PVTSTVISQP KSFDNSPGEL GSSSLPTAGY KRAQTSGIEE EAVKEKKRKG NKQSKHGPGR</p> <p>PKGNKNQENV SHLSVSSASP TSSVASAAGS VTSSSLQKSP TLLRNGSLQS LSVGSSPVGS</p> <p>EISMQYRHG ACPTTTTSEL LNAIHNGIYN SNDVAVSFPN VVSGSGSSTP VSSSHIPQQS</p> <p>SGHLQQVGAL SPSAASSVTP AAATTQANTV SGSSLSQAPA HMYGSRLNQN PSMVLIAQS</p> <p>ESSQTDQDLG DNARSLGGRG SSPRGSLSPR SPVSNLQLRY DQPSNSSLET VPPVAASIEQ</p>

LLERQWSEGG QFLLEQGTPG DILGMLKSLH QLQVENRRLE EQIKNLTAKK ERLQLLNAQL  
SVPFPAITTN PSPSHQMHTY TAQTAPPPDS LNSSKSPHIG NSFLPDNSLP VLNQDLTSSG  
QSTSSSSALS TPPPAGQSPA QQSSGVSGVQ QVNGVTVGAL ASGMQTVTST IPAVSAVGGI  
IGALPGNQLA INGIVGALNG VIQTPVTISQ NPAPLHTSV PPNAAHMPMA AALTNSASGL  
GLLSQQRRQM FIQQQQFQQL LNSQQLTPEQ HQAFLYQLMQ QQHHPPELQQ LQLPGPTQIP  
INNLLAGAQA PPLHTATTNP FLTIHGDSTS QKVTRLSDKT GPVAQEKs **Sequence without tag.**  
**The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	MLLT10
Alternative Name:	MLlt10 ( <a href="#">MLLT10 Products</a> )
Background:	Protein AF-10,FUNCTION: Probably involved in transcriptional regulation. Binds to cruciform DNA (By similarity). In cells, binding to unmodified histone H3 regulates DOT1L functions

## Target Details

including histone H3 'Lys-79' dimethylation (H3K79me2) and gene activation (By similarity).  
{ECO:0000250, ECO:0000250|UniProtKB:P55197}.

Molecular Weight: 113.0 kDa

UniProt: [O54826](#)

## Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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