

Datasheet for ABIN7552036

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



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### Overview

Quantity:	1 mg
Target:	MLLT10
Protein Characteristics:	AA 1-1068
Origin:	Human
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 SYDQSLSDSS SHSQDKHHEK EKKKYKEKDK</p> <p>HKQKHKKQPE PSPALVPSLT VTTEKTYTST SNNSISGSLK RLEDTTARFT NANFQEVSAH</p> <p>TSSGKDVSET RGSEGKGKKS SAHSSGQRGR KPGGGRNPGT TVSAASFPQ GSFSGTPGSV</p> <p>KSSSGSSVQS PQDFLSFTDS DLRNDSYSHS QQSSATKDVH KGESGSQEGG VNSFSTLIGL</p> <p>PSTSAVTSQP KSFENSPGDL GNSSLPTAGY KRAQTSGIEE ETVKEKKRKG NKQSKHGPGR</p> <p>PKGNKNQENV SHLSVSSASP TSSVASAAGS ITSSSLQKSP TLLRNGSLQS LSVGSSPVGS</p> <p>EISMQYRHDG ACPTTTTSEL LNAIHNGIYN SNDVAVSFPN VVSGSGSSTP VSSSHLPQQS</p> <p>SGHLQQVGAL SPSAVSSAAP AVATTQANTL SGSSLSQAPS HMYGNRSNSS MAALIAQSEN</p> <p>NQTDQDLGDN SRNLVGRGSS PRGSLSPRSP VSSLQIRYDQ PGNSSLENLP PVAASIEQLL</p>

ERQWSEGGQF LLEQGTSPDI LGMLKSLHQL QVENRRLEEQ IKNLTAKKER LQLLNAQLSV  
PFPTITANPS PSHQIHTFSA QTAPTTDSL N SSKSPHIGNS FLPDNLSPVL NQDLTSSGQS  
TSSSSALSTP PPAGQSPAQQ GSGVSGVQQV NGVTVGALAS GMQPVSTIP AVSAVGGIIG  
ALPGNQLAIN GIVGALNGVM QTPVTMSQNP TPLTHTTVPP NATHPMPATL TNSASGLGLL  
SDQQRQILIH QQQFQQLNS QQLTPEQHQA FLYQLMQHHH QQHHQPELQQ LQIPGPTQIP  
INNLLAGTQA PPLHTATTNP FLTIHGDNAS QKVARLSDKT 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 (ALL1-fused gene from chromosome 10 protein),FUNCTION: Probably involved in transcriptional regulation. In vitro or as fusion protein with KMT2A/MLL1 has transactivation

## Target Details

	activity. Binds to cruciform DNA. In cells, binding to unmodified histone H3 regulates DOT1L functions including histone H3 'Lys-79' dimethylation (H3K79me2) and gene activation (PubMed:26439302). {ECO:0000269 PubMed:17868029, ECO:0000269 PubMed:26439302}.
Molecular Weight:	113.3 kDa
UniProt:	<a href="#">P55197</a>

## 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