

Datasheet for ABIN7561864
L3MBTL1 Protein (AA 1-826) (His tag)



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Overview

Quantity:	1 mg
Target:	L3MBTL1
Protein Characteristics:	AA 1-826
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This L3MBTL1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat L3mbtl1 Protein expressed in mammalien cells.
Sequence:	MEGHTDMEIL RTVKGSSTGE VNVHLVARDS AGPHPQLPTT AFIIPTNAAT LGLPSTALDV PYPREPVHVG ALERVAGSEP VTATILPQLS TGTGTNSTVR LLDWTGVSAP LPGSGMRFRI NEYAPLNMIG VERPRSPEQR HEGGMARRDA GIQHPDVHQD RQDITSLEPP VDASSCKCQA CGPQQSSGLD VGSSGDRCSQ PFQKRSVIVE NSGCTIASSEL LKPMKKRKHK EYQSPSEESE PEAVKQGEK DAEREPTPST PENEWSRSQ LVSSEKKGW SWESYLEEQK AVTAPVSLFQ DSQAVTHNKN GFKLGMKLEG IDPQHPSMYF ILTVAEVCY RLRLHFDGYS ECHDFWVNAN SPDIHPAGWF EKTGHKLQLP KGYKEEFSW SQYLRSTKAQ AAPKHLFVSQ SHSTPPVGFQ VGMKLEAVDR MNPSLVCVAS VTDVVDSRFL VHFDDWGDY DYWCDPSSPY IHPVGWCQKQ GKPLTPQDY PDPDSFCWEK YLEETGTSV PNWAFKVRPP HSFLVNMKLE AVDRRNPALI RVASVEDVED HRIKLHFDGW SHNYDFWIDA DHPDIHPAGW CSKTGHLEP PLRPRESSSV SPGGCPPLSH RSPPHTKTSK YNFHHRKCPT PGCDGSGHVT GKFTAHHCLS GCPLAEKNQS

Product Details

RLKAELSDSE TAARKKNPSN LSPRKKPRHQ GRIGRPPKYR KIPEEDLQAL PPSVVHQSLF
MSTLPTHADR PLSVCWEQHC KLLPGVAGIS ASTVSKWTIE EVFGFVQTLT GSEDQARLFK
DEMIDGEAFL LLTQADIVKI MSVKLGPALK IYNAILMFKN TDDAFK **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.**

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:

L3MBTL1

Alternative Name:

L3mbtl1 ([L3MBTL1 Products](#))

Background:

Lethal(3)malignant brain tumor-like protein 1 (H-I(3)mbt) (H-I(3)mbt protein) (L(3)mbt-like) (L(3)mbt protein homolog),FUNCTION: Polycomb group (PcG) protein that specifically recognizes and binds mono- and dimethyllysine residues on target proteins, thereby acting as a 'reader' of a network of post-translational modifications. PcG proteins maintain the transcriptionally repressive state of genes: acts as a chromatin compaction factor by recognizing and binding mono- and dimethylated histone H1b/H1-4 at 'Lys-26' (H1bK26me1 and H1bK26me2) and histone H4 at 'Lys-20' (H4K20me1 and H4K20me2), leading to condense

Target Details

chromatin and repress transcription. Recognizes and binds p53/TP53 monomethylated at 'Lys-382', leading to repress p53/TP53-target genes. Also recognizes and binds RB1/RB monomethylated at 'Lys-860'. Participates in the ETV6-mediated repression. Probably plays a role in cell proliferation. Overexpression induces multinucleated cells, suggesting that it is required to accomplish normal mitosis (By similarity). {ECO:0000250}.

Molecular Weight: 91.8 kDa

UniProt: [A2A5N8](#)

Pathways: [Chromatin Binding](#)

Application Details

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

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