

Datasheet for ABIN7554414
L3MBTL3 Protein (AA 1-780) (His tag)



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Overview

Quantity:	1 mg
Target:	L3MBTL3
Protein Characteristics:	AA 1-780
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This L3MBTL3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant L3MBTL3 Protein expressed in mammalian cells.
Sequence:	<p>MTESASSTSG QEFDVFSVMD WKDGVGTLPG SDLKFRVNEF GALEVITDEN EMENVKKATA TTTWMVPTAQ EAPTSPSSR PVFPPAYWTS PPGCPTVFSE KTGMPPFRLKD PVKVEGLQFC ENCCQYGNVD ECLSGGNYCS QNCARHIKDK DQKEERDVEE DNEEEDPKCS RKKKPKLSLK ADTKEDGEER DDEMENKQDV RILRGSQRAR RKRRGDSAVL KQGLPPKGKK AWCWASYLEE EKAVAVPAKL FKEHQSFYPN KNGFKVGMKL EGVDPHQSV YCVLTVAEVC GYRIKLFHFDG YSDCYDFWVN ADALDIHPVG WCEKTGHKLH PPKGYKEEEF NWQTYLKTCK AQAAPKSLFE NQNITVIPSG FRVGMKLEAV DKKNPSFICV ATVTDMVDNR FLVHFDNWDE SYDYWCEASS PHIHPVGWCK EHRRTLITPP GYPNVKHFSW DKYLEETNSL PAPAFAFKVK PPHGFQKKMK LEVVDKRNPM FIRVATVADT DDHRVKVHFD GWNNCYDYWI DADSPDIHPV GWCSKTGHPL QPPLSPELM EASEHGGCST PGCKGIGHFK RARHLGPHSA ANCPYSEINL NKDRIFPDRL SGEMPPASPS FPRNKRTDAN ESSSSPEIRD QHADDVKEDF EERTESEMRT SHEARGAREE PTVQQAQRSS AVFLSFKSPI PCLPLRWEQQ SKLLPTVAGI PASKVSKWST DEVSEFIQSL</p>

Product Details

PGCEEHGKVF KDEQIDGEAF LLMTQTDIVK IMSIKLGPAL KIFNSILMFK AAEKNSHNEL **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: **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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: L3MBTL3

Alternative Name: L3MBTL3 ([L3MBTL3 Products](#))

Background: Lethal(3)malignant brain tumor-like protein 3 (H-I(3)mbt-like protein 3) (L(3)mbt-like protein 3) (L3mbt-like 3) (MBT-1),FUNCTION: Is a negative regulator of Notch target genes expression, required for RBPJ-mediated transcriptional repression (PubMed:29030483). It recruits KDM1A to Notch-responsive elements and promotes KDM1A-mediated H3K4me demethylation (PubMed:29030483). Involved in the regulation of ubiquitin-dependent degradation of a set of methylated non-histone proteins, including SOX2, DNMT1 and E2F1. It acts as an adapter recruiting the CRL4-DCAF5 E3 ubiquitin ligase complex to methylated target proteins

Target Details

(PubMed:30442713, PubMed:29691401). Required for normal maturation of myeloid progenitor cells (By similarity). {ECO:0000250|UniProtKB:Q8BLB7, ECO:0000269|PubMed:29030483, ECO:0000269|PubMed:29691401, ECO:0000269|PubMed:30442713}.

Molecular Weight: 88.3 kDa

UniProt: [Q96JM7](#)

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