

Product datasheet for TP521523

L3mbtl1 (NM_001081338) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse L3MBTL1 histone methyl-lysine binding protein (L3mbtl1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR221523 representing NM_001081338 Red=Cloning site Green=Tags(s) MEGHTDMEILRTVKGSSTGEVNVHLVARDASAGPHPQLPTTAFIIPNAATLGLPSTALDVPYPREPVHVG ALERVAGSEPVATILPQLSTGTNSTVRLLDWTGVSAPLPGSGMRFRINEYAPLNMIGVERPRSPPEQR HEGGMARRDAGIQHPDVHQDRQDITSLEPPVDASSCKCQACGPQQSSGLDVGSSGDRCSQPFQKRSVIVE NSGCTIASSELLKPMKKRKHKEYQSPSEESEPEAVKQEGEKDAEREPTPSTPENEWSRSQVLSSEKKGW SWESYLEEQKAVTAPVSLFQDSQAVTHNKNGFKLGMKLEGIDPQHPSMYFILTVAEVCYRLRLHFDGYS ECHDFWVNANSPDIHPAGWFEKTGHKLQLPKGYKEEFSWSQYLRSTKAQAAPKHLFVSQSHSTPPVGFQ VGMKLEAVDRMNPSLVCVASVTDVDSRFLVHFDDWGDYDYWCDPSSPIHPVGGWCQKQKPLTPPQDY PDPDSFCWEKYLEETGTSAPVNWAFKVRPPHSFLVNMKLEAVDRRNPAIRVASVEDVEDHRIKLHFDGW SHNYDFWIDADHPDIHPAGWCSKTGHLEPPLRPRESSSVSPGGCPPLSHRSPHTTKSKYNFHHRKCPT PGCDGSGHVTGKFTAHHCLSGCPLAEKNQSRKLAELSDSETAARKKNPSNLSPRKKPRHQGRIGRPPKYR KIPEEDLQALPPSVVHQSLFMSTLPTHADRPLSVCWEQHCHELLPGVAGISASTVSKWTIEEVFGFVQTLT GSEDQARLFKDEMIDGEAFLLLTQADIVKIMSVKLGPAKLIYNAILMFKNTDDAFK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	92.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001074807
Locus ID:	241764
UniProt ID:	A2A5N8
RefSeq Size:	2733
Cytogenetics:	2 H2
RefSeq ORF:	2478
Synonyms:	C630004G01; L3mbtl; mKIAA0681
Summary:	<p>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/HIST1H1E at 'Lys-26' (H1bK26me1 and H1bK26me2) and histone H4 at 'Lys-20' (H4K20me1 and H4K20me2), leading to condense 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).[UniProtKB/Swiss-Prot Function]</p>