

## Product datasheet for TP524561

### Mlt3 (NM\_027326) Mouse Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Purified recombinant protein of Mouse myeloid/lymphoid or mixed-lineage leukemia; translocated to, 3 (Mlt3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

**Species:** Mouse

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >MR224561 representing NM\_027326  
Red=Cloning site Green=Tags(s)

MASSCAVQVKLELGHRAQVRKKPTVEGFTHDWMVFVRGPEHSNIQHFVEKVVFHLHESFPRPKRVCKDPP  
YKVEESGYAGFILPIEVYFKNKEEPKKVRFDYDLFLHLEGHPPVNHLCRCEKLTFFNNPTEDFRRKLLKAGG  
DPNRSIHTSSTFSKPHKLMKEHKEKPSKD  
SREHKSFAFKEPSRDHNKSSKDSKPKENKPLKEEKIVPKMAFKEPKPMSKEPKADSNNLLVTSGQQDKK  
APSKRPPASDSEELSAKRRKSSSEALFKSFSSAPPLILTCADKKQIKDKSHVKMGKVKIESETSEKKK  
SMLPPFDDIVDPNDSVVEENMSSKSDSEQPSPASSSSSSSSSFTPSQTRQQGPLRSIMKDLHSDDNEEES  
DEAEDNDNDSEMERPVNRGGSRRRVSLSDGSDSESSASSPLHHEPPPLLKTNNNQILEVKSPIKQSK  
SDKQIKNGECDKAYLDELVELHRRMLTLRERHILQQIVNLIETGFHFITNTTFDFDLCSLDKTTVRKLG  
SYLETSGTS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-MYC/DDK

**Predicted MW:** 63.8 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.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_081602](#)

Locus ID: 70122

UniProt ID: [A2AM29](#)

RefSeq Size: 6129

Cytogenetics: 4 41.06 cM

RefSeq ORF: 1707

Synonyms: 2210011H10Rik; 2610012I03Rik; 3830408D16Rik; Af9; D4ErtD321e

**Summary:** Chromatin reader component of the super elongation complex (SEC), a complex required to increase the catalytic rate of RNA polymerase II transcription by suppressing transient pausing by the polymerase at multiple sites along the DNA. Specifically recognizes and binds acylated histone H3, with a marked preference for histone H3 that is crotonylated. Crotonylation marks active promoters and enhancers and confers resistance to transcriptional repressors. Recognizes and binds histone H3 crotonylated at 'Lys-9' (H3K9cr), and with slightly lower affinity histone H3 crotonylated at 'Lys-18' (H3K18cr). Also recognizes and binds histone H3 acetylated at 'Lys-9' (H3K9ac), but with lower affinity than crotonylated histone H3. In the SEC complex, MLLT3 is required to recruit the complex to crotonylated histones.[UniProtKB/Swiss-Prot Function]