

## Product datasheet for TP520522

### Mtif3 (NM\_029581) Mouse Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Purified recombinant protein of Mouse mitochondrial translational initiation factor 3 (Mtif3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

**Species:** Mouse

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >MR220522 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MAVLLMRLMLQTTKLDHNLIGRCLQRHAVKPDPAQLSLSASTPKLLYLTSAGKFSTAGDPQGERKQKRRD  
AFSNTGRKISERIIIRVLDEKGM DLGMMHRADVIRLMNKQDLRLVQRNTSSEPPEYQLMTGEQIHQERLKL  
REQEKAKPKTGPTMTKELVFSSNIGQHDLDTKSKQIQQWIEKKYHVQVTIKRRKDAEQSEEETEEIFNQI  
LQTMPDIATFSSRPKAIRGGTASMCVFRHLSKKEEKAYRESQESQRRDTLSKDDDGN SKESDVVCQ

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-MYC/DDK

**Predicted MW:** 31.7 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.

**RefSeq:** [NP\\_083857](#)

**Locus ID:** 76366

**UniProt ID:** [Q9CZD5](#), [A4QMQ0](#)

**RefSeq Size:** 4979



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**Cytogenetics:** 5 G3

**RefSeq ORF:** 831

**Synonyms:** 2810012L14Rik; AI414549

**Summary:** IF-3 binds to the 28S ribosomal subunit and shifts the equilibrium between 55S ribosomes and their 39S and 28S subunits in favor of the free subunits, thus enhancing the availability of 28S subunits on which protein synthesis initiation begins.[UniProtKB/Swiss-Prot Function]