

## Product datasheet for TP306334L

### MRPL13 (NM\_014078) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human mitochondrial ribosomal protein L13 (MRPL13), nuclear gene encoding mitochondrial protein, 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC206334 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MSSFSRAPQQWATFARIWYLLDGKMQPPGKLAAMASIRLQGLHKPVYHALSDCGDHVIMNTRHIAFSGN  
KWEQKVYSSHTGYPPGGFRQVTAQLHLRDPVAIVKLAIVGMLPKNLHRRRTMMERLHLFPDEYIPEDILKN  
LVEELPQPRKIPKRLDEYTQEEIDAFRLWTPPEDYRL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK

**Predicted MW:** 20.5 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

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**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.

**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\\_054797](#)

**Locus ID:** 28998

**UniProt ID:** [Q9BYD1](#)



[View online »](#)

RefSeq Size: 1119

Cytogenetics: 8q24.12

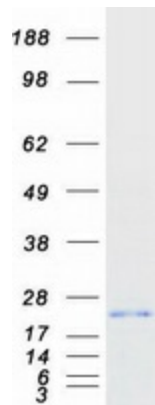
RefSeq ORF: 534

Synonyms: L13; L13A; L13mt; RPL13; RPML13

**Summary:** Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 39S subunit protein. [provided by RefSeq, Jul 2008]

**Protein Pathways:** Ribosome

### Product images:



Coomassie blue staining of purified MRPL13 protein (Cat# [TP306334]). The protein was produced from HEK293T cells transfected with MRPL13 cDNA clone (Cat# [RC206334]) using MegaTran 2.0 (Cat# [TT210002]).