

Product datasheet for **TA358187**

MRPL40 Rabbit Polyclonal Antibody

Product data:

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|-------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | WB |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Specificity: | Expected reactivity: Guinea Pig, Horse, Human, Mouse, Rabbit, Rat Homology: Guinea Pig: 77%; Horse: 79%; Human: 100%; Mouse: 75%; Rabbit: 77%; Rat: 83% |
| Formulation: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i> |
| Concentration: | lot specific |
| Purification: | Affinity Purified |
| Conjugation: | Unconjugated |
| Storage: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| Stability: | Shelf life: one year from despatch. |
| Predicted Protein Size: | 23kDa |
| Gene Name: | mitochondrial ribosomal protein L40 |
| Database Link: | NP_002937 Entrez Gene 6118 Human Entrez Gene 64976 Human P15927 |



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Background:

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. Deletions in this gene may contribute to the etiology of velo-cardio-facial syndrome and DiGeorge syndrome.

Synonyms:

FLJ41774; L40mt; MGC9400; MRP-L22; MRP-L40; NLVCF; URIM

Protein Families:

Druggable Genome, Stem cell - Pluripotency

Protein Pathways:

DNA replication, Homologous recombination, Mismatch repair, Nucleotide excision repair

Product images:

WB Suggested Anti-MRPL40 Antibody
Titration: 1.0 ug/ml
Positive Control: Fetal Liver