

# Recombinant Homo sapiens Elongation factor Tu, mitochondrial

Catalog No: #AP72832

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Package Size: #AP72832-1 20ug #AP72832-2 100ug #AP72832-3 1mg

## Description

|                       |  |
|-----------------------|--|
| Product Name          | Recombinant Homo sapiens Elongation factor Tu, mitochondrial   |
| Brief Description     | Recombinant Protein  |
| Host Species          | Yeast  |
| Purification          | Greater than 90% as determined by SDS-PAGE.  |
| Immunogen Description | Expression Region:44-452aaSequence Info:Full Length  |
| Other Names           | P43  |
| Accession No.         | P49411   |
| Uniprot               | P49411   |
| GeneID                | 7284;  |
| Calculated MW         | 47 kDa   |
| Tag Info              | N-terminal 6xHis-tagged  |
| Target Sequence       | AVEAKKTYVRDKPHVNVGTIGHVDHGKTTLTAAITKILAEGGGAKFKKYEEIDNAPEERARGITINAAHVEYSTA<br>ARHYAHTDCPGHADYVKNMITGTAPLDGCILVVAANDGPMPQTRHLLARQIGVEHVVVVYVKNKADAVQDSE<br>MVELVELEIRELLTEFGYKGEETPVIVGSALCALEGRDPELGLKSVQKLLDAVDYIPVPARDLEKPFLLPVEAV<br>YSVPGRGTVVGTGLRGLKGGDECELLGHSKNIRTVVTGIEMFHKSLERAEAGDNLGALVRGLKREDLRRGL<br>VMVKPGSIKPHQKVEAQVYILSKEEGGRHKPFVSHFMPVMFSLTWDMACRIILPPEKELAMPGEDLKFNLILRQ<br>PMILEKGQRFTLRDGNRTIGTGLVTNTLAMTEEEKNIKWG |
| Formulation           | Tris-based buffer50% glycerol  |
| Storage               | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br><br>Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |

## Background

This protein promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis.

## References

Cloning, sequence analysis and expression of mammalian mitochondrial protein synthesis elongation factor Tu.Worix V.L., Burkhart W.A., Spremulli L.L.Biochim. Biophys. Acta 1264:347-356(1995)Research Topic:Metabolism

Note: This product is for in vitro research use only