# Elongation Factor Tu 2 (tuf2) Acidovorax Sp. Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Elongation factor Tu 2 (tuf2), Recombinant Protein |
| **Full Product Name** | Recombinant Acidovorax sp. Elongation factor Tu 2 (tuf2) |
| **Product Gene Name** | tuf2 recombinant protein |
| **Sequence** | MAKGKFERTK PHVNVGTIGH VDHGKTTLTA AIATVLSKKF GGEAKGYDQI DNAPEEKARG ITINTSHVEY ETATRHYAHV DCPGHADYVK NMITGAAQMD GAILVCSAAD GPMPQTREHI LLARQVGVPY IIVFLNKCDM VDDEELLELV EMEVRELLDK YDFPGDDTPI IRGSAKLALE GDQSDKGEPA ILRLAEALDT YIPTPERAVD GAFLMPVEDV FSISGRGTVV TGRVERGIIK VGEEIEIVGI RDTQKTTVTG VEMFRKLLDQ GQAGDNVGLL LRGTKREDVE RGQVLCKPGS IKPHTHFTAE VYVLSKDEGG RHTPFFNNYR PQFYFRTTDV TGSIELPADK EMVMPGDNVS ITVKLINPIA MEEGLRFAIR EGGRTVGAGV VAKIIA |
| **Host** | E Coli or Yeast or Baculovirus or Mammalian Cell |
| **Form/Format** | Lyophilized or liquid (Format to be determined during the manufacturing process) |
| **Purity/Purification** | Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific) |
| **Preparation and Storage** | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended. |
| **Molecular Weight** | 43,243 Da |
| **Sequence Positions** | 1-396, Full length protein |
| **Tag Information** | This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information. |
| **Sterility** | Sterile filter available upon request. |
| **Endotoxin** | Low endotoxin available upon request. |
| **3D Structure** | ModBase 3D Structure for A1WCN6 |
| **Species** | Acidovorax sp. (strain JS42) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for tuf2 recombinant protein** | MBS1151660 is a recombinant protein targeting tuf2. Also known as Recombinant Acidovorax sp. Elongation factor Tu 2 (tuf2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of tuf2 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for tuf2. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 500130986 |
| **NCBI Accession #** | WP_011806991.1 |
| **UniProt Primary Accession #** | A1WCN6 |
| **GenBank Nucleotide #** | WP_011806991.1 |
| **NCBI Official Full Name** | MULTISPECIES: elongation factor Tu |

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| **UniProt Protein Name** | Elongation factor Tu 2 |
| **Protein Family** | Elongation factor |
| **UniProt Gene Name** | tuf2 |
| **UniProt Synonym Gene Names** | EF-Tu 2 |
| **UniProt Comments for tuf2** | This protein promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis. |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
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