# Tryptophan Synthase Alpha Chain (trpA) Salmonella Choleraesuis Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Tryptophan synthase alpha chain (trpA), Recombinant Protein |
| **Full Product Name** | Recombinant Salmonella choleraesuis Tryptophan synthase alpha chain (trpA) |
| **Product Gene Name** | trpA recombinant protein |
| **Product Synonym Gene Name** | trpA |
| **Sequence** | MERYENLFAQ LNDRREGAFV PFVTLGDPGI EQSLKIIDTL IDSGADALEL GVPFSDPLAD GPTIQNANLR AFAAGVTPAQ CFEMLALIRE KHPTIPIGLL MYANLVFNNG IDAFYARCEQ VGVDSVLVAD VPVEESAPFR QAALRHNIAP IFICPPNADD DLLRQVASYG RGYTYLLSRS GVTGAENRGA LPLHHLIEKL KEYHAAPALQ GFGISSPEQV SAAVRAGAAG AISGSAIVKI IEKNLASPEQ MLAELRSFVS AMKAASRA |
| **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** | 28,688 Da |
| **Sequence Positions** | 1-268, 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 Q57NT2 |
| **Species** | Salmonella choleraesuis (strain SC-B67) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for trpA recombinant protein** | MBS1329551 is a recombinant protein targeting trpA. Also known as Recombinant Salmonella choleraesuis Tryptophan synthase alpha chain (trpA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of trpA 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 trpA. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 446365181 |
| **NCBI Accession #** | WP_000443036.1 |
| **UniProt Primary Accession #** | Q57NT2 |
| **GenBank Nucleotide #** | WP_000443036.1 |
| **NCBI Official Full Name** | tryptophan synthase subunit alpha |

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| **UniProt Protein Name** | Tryptophan synthase alpha chain |
| **Protein Family** | Tryptophan synthase |
| **UniProt Gene Name** | trpA |
| **UniProt Comments for trpA** | The alpha subunit is responsible for the aldol cleavage of indoleglycerol phosphate to indole and glyceraldehyde 3-phosphate. |
| **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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