# Trigger Factor (tig) Staphylococcus Carnosus Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Trigger factor (tig), Recombinant Protein |
| **Full Product Name** | Recombinant Staphylococcus carnosus Trigger factor (tig) |
| **Product Gene Name** | tig recombinant protein |
| **Sequence** | MTATWEKKEG NQGVLSVTVP AKKVDQAIDQ AFKKVVKQVN IPGFRKGKVP RQIFEQRFGV EALYQDAVDI LLPEAYGEAI EETGIKPVDQ PEIEVNQIEK GKDLKFDATV TVQPEVKLGE YKGLEIEKQN ADLTDEELQE AIDHSLGHLA EMVIKEDGSV EEGDTVNIDF DGYVDGEQFE GGQAESYDLE IGSGMFIPGF EEQLVGLKTG DEKDVKVTFP EEYHAEELAG KEATFKVKIN EIKYKNVPEL DDEIANELDS DADNVEEYKE NLRKRLSEEK KVNAENVEKE EAINKAVNNA EVDIPEAMIN NELDRMMQEF AQRIQQSGLN LETYFQISGQ DESQLREQMK DDAEERVKTN LTLNAIANAE EVEATEEDID KELEAMSTQF NISVEDIKKT LGSTDIVKDD VRVKKVIDLL LDDAKLVEPS EDAEEESEDK |
| **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** | 49,517 Da |
| **Sequence Positions** | 1-440, 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 B9DNC1 |
| **Species** | Staphylococcus carnosus (strain TM300) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for tig recombinant protein** | MBS1045294 is a recombinant protein targeting tig. Also known as Recombinant Staphylococcus carnosus Trigger factor (tig). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of tig 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 tig. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 506380808 |
| **NCBI Accession #** | WP_015900527.1 |
| **UniProt Primary Accession #** | B9DNC1 |
| **GenBank Nucleotide #** | WP_015900527.1 |
| **NCBI Official Full Name** | trigger factor |

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| **UniProt Protein Name** | Trigger factor |
| **UniProt Synonym Protein Names** | PPIase |
| **Protein Family** | Tiggrin |
| **UniProt Gene Name** | tig |
| **UniProt Synonym Gene Names** | TF |
| **UniProt Comments for tig** | Involved in protein export. Acts as a chaperone by maintaining the newly synthesized protein in an open conformation. Functions as a peptidyl-prolyl cis-trans isomerase. |
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