# 5-Methyltetrahydropteroyltriglutamate--Homocysteine Methyltransferase (metE) Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | 5-methyltetrahydropteroyltriglutamate--homocysteine methyltransferase (metE), Recombinant Protein |
| **Full Product Name** | Recombinant Escherichia coli O6:K15:H31 5-methyltetrahydropteroyltriglutamate--homocysteine methyltransferase (metE) |
| **Product Gene Name** | metE recombinant protein |
| **Product Synonym Gene Name** | metE |
| **Sequence** | MTILNHTLGF PRVGLRRELK KAQESYWAGN STREELLAVG RELRARHWDQ QKQAGIDLLP VGDFAWYDHV LTTSLLLGNV PARHQNKDGS VDIDTLFRIG RGRAPTGEPA AAAEMTKWFN TNYHYMVPEF VKGQQFKLTW TQLLEEVDEA LALGHKVKPV LLGPVTYLWL GKVKGEQFDR LSLLNDILPV YQQVLAELAK RGIEWVQIDE PALVLELPQA WLDAYKPAYD ALQGQVKLLL TTYFEGVTPN LDTITALPVQ GLHVDLVHGK DDVAELHKRL PSDWLLSAGL INGRNVWRAD LTEKYAQIKD IVGKRDLWVA SSCSLLHSPI DLSVETRLDA EVKSWFAFAL QKCHELALLR DVLNSGDTAA LAEWSAPIQA RRHSTRVHNP AVEKRLAAIT AQDSQRTNVY EVRAEAQRAR FKLPAWPTTT IGSFPQTTEI RTLRLDFKKG NLDANNYRTG IAEHIKQAIV EQERLGLDVL VHGEAERNDM VEYFGEHLDG FVFTQNGWVQ SYGSRCVKPP IVIGDVSRPA PITVEWAKYA QSLTDKPVKG MLTGPVTILC WSFPREDVSR ETIAKQIALA LRDEVADLEA AGIGIIQIDE PALREGLPLR RSDWDAYLQW GVEAFRINAA VAKDDTQIHT HMCYCEFNDI MDSIAALDAD VITIETSRSD MELLESFEEF DYPNEIGPGV YDIHSPNVPS VEWIEALLKK AAKRIPAERL WVNPDCGLKT RGWPETRAAL ANMVQAAQNL RRG |
| **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** | 84,709 Da |
| **Sequence Positions** | 1-753, 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 Q0TAP6 |
| **Species** | Escherichia coli O6:K15:H31 (strain 536 / UPEC) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for metE recombinant protein** | MBS1330568 is a recombinant protein targeting metE. Also known as Recombinant Escherichia coli O6:K15:H31 5-methyltetrahydropteroyltriglutamate--homocysteine methyltransferase (metE). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of metE 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 metE. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 446076064 |
| **NCBI Accession #** | WP_000153919.1 |
| **UniProt Primary Accession #** | Q0TAP6 |
| **GenBank Nucleotide #** | WP_000153919.1 |
| **NCBI Official Full Name** | 5-methyltetrahydropteroyltriglutamate--homocysteine methyltransferase |
| **UniProt Protein Name** | 5-methyltetrahydropteroyltriglutamate--homocysteine methyltransferase |
| **UniProt Synonym Protein Names** | Cobalamin-independent methionine synthase |
| **Protein Family** | 5-methyltetrahydropteroyltriglutamate--homocysteine methyltransferase |
| **UniProt Gene Name** | metE |
| **UniProt Comments for metE** | Catalyzes the transfer of a methyl group from 5-methyltetrahydrofolate to homocysteine resulting in methionine formation. |
| **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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