# Phosphate Acetyltransferase (pta) Thermotoga Maritima Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Phosphate acetyltransferase (pta), Recombinant Protein |
| **Full Product Name** | Recombinant Thermotoga maritima Phosphate acetyltransferase (pta) |
| **Product Gene Name** | pta recombinant protein |
| **Product Synonym Gene Name** | pta |
| **Sequence** | MFLEKLVEMA RGKGKKLAVA AANDDHVIEA VYRAWRERVC EPVLFGPEEE ITRIIEELVP EWKNPQIIDC PPEEAGRLAV EAVSKGECDF LMKGKIKTGD LMKIYLDERY GLRTGKTMAM VSVMEIPDFP RPLIISDPGM LISPTLEQKV DMIEHCVRVA NVMGLETPKV AVVGAIEVVN PKMPITMEAA ILSKMNQRGQ IKGCIVDGPF ALDNVVSEEA AKKKGIQSPV AGKADILILP DIEAANILYK ALVFLAKAKS ASTILGGKVP VVLTSRADSE ETKFYSIALS AVFA |
| **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** | 32,093 Da |
| **Sequence Positions** | 1-294, 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 Q9X0L4 |
| **Species** | Thermotoga maritima (strain 43589 / MSB8 / DSM 3109 / JCM 10099) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for pta recombinant protein** | MBS1461373 is a recombinant protein targeting pta. Also known as Recombinant Thermotoga maritima Phosphate acetyltransferase (pta). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of pta 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 pta. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 15643887 |
| **NCBI GeneID** | 898634 |
| **NCBI Accession #** | NP_228936.1 |
| **UniProt Primary Accession #** | Q9X0L4 |
| **UniProt Related Accession #** | Q9X0L4 |

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|---|---|
| **GenBank Nucleotide #** | NC_000853.1 |
| **NCBI Official Full Name** | phosphate butyryltransferase |
| **NCBI Official Symbol** | TM1130 |
| **UniProt Protein Name** | Phosphate acetyltransferase |
| **UniProt Synonym Protein Names** | Phosphotransacetylase |
| **Protein Family** | Phosphate acetyltransferase |
| **UniProt Gene Name** | pta |
| **NCBI Protein Information** | phosphate butyryltransferase |
| **UniProt Comments for pta** | In addition to acetyl-CoA (100%), the enzyme accepts propionyl-CoA (60%) and butyryl-CoA (30%). |
| **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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