Nucleoside-Triphosphatase 1 (NTP3) Toxoplasma Gondii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Nucleoside-triphosphatase 1 (NTP3), Recombinant Protein
Full Product Name	Recombinant Toxoplasma gondii Nucleoside-triphosphatase 1 (NTP3), partial
Product Gene Name	NTP3 recombinant protein
Product Synonym Gene Name	NTP3
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	69,159 Da
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 Q27893
Species	Toxoplasma gondii
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for NTP3 recombinant protein	MBS1344304 is a recombinant protein targeting NTP3. Also known as Recombinant Toxoplasma gondii Nucleoside-triphosphatase 1 (NTP3), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of NTP3 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 NTP3. It may not necessarily be applicable to this product.

NCBI GI #	2499220
NCBI Accession #	Q27893.1
UniProt Primary Accession #	Q27893
NCBI Official Full Name	Nucleoside-triphosphatase 1
UniProt Protein Name	Nucleoside-triphosphatase 1
UniProt Synonym Protein Names	NTPase-I; Nucleoside triphosphate hydrolase 1; Nucleoside-triphosphatase I
Protein Family	Nucleoside-triphosphatase
UniProt Gene Name	NTP3

UniProt Comments for NTP3	May perform an important processing step in the conversion of high energy nucleotides prior to uptake by the parasite and may contribute to intracellular survival and virulence. NTPAse-I has a specific activity 4.5-fold higher than NTPAse-II in hydrolysis of ATP. The primary difference between these isozymes lies in their ability to hydrolyze nucleoside triphosphate versus diphosphate substrates. While NTPAse-II hydrolyzes ATP to ADP and ADP to AMP at almost the same rate, NTPAse-I hydrolyzes ADP to AMP at a much slower rate (0.7% of the rate for ATP).
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