

# Recombinant strain Massachusetts / E88 tetX Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP08425

**Protein Name:** Tetanus Toxin (tetX)

**Aliases:** tetX; CTC\_p60; Tetanus toxin; EC 3.4.24.68; Tentoxylisin) [Cleav

**UniProt ID:** P04958

**UniProt Link:** <https://www.uniprot.org/uniprotkb/P04958/entry>

**Species Source:** Clostridium tetani (strain Massachusetts / E88)

**Expression System:** E.coli

**Protein Length:** Partial (2-457aa)

**Molecular Weight:** 66.3 kDa

**Protein Tag:** N-terminal 6xHis-B2M-tagged

## 2. Amino Acid Sequence (2-457aa)

PITINNFYSDPVNNDTIIMMEPPYCKGLDIYYKAFKITDRIWIVPERYEFGTKPEDFN  
PPSSLIEGASEYYDPNYLRTDSDKDRFLQTMVKLFNRIKNNVAGEALLDKIINAIPYLG  
NSYSLLDKFDTNSNSVSNLLEQDPSGATTKSAMLNLIIFGPGPVLNKNEVRGIVLR  
VDNKNYFPCRDGFGSIMQMAFCPEYVPTFDNVIENTISLTIGKSKYFQDPALLLMHE  
LIHVLHGLYGMQVSSHEIIPSKQEIYMQHTYPISAEELFTFGGQDANLISIDIKNDLYEK  
TLNDYKAIANKLSQVTSCNDPNIDIDSYKQIYQQKYQFDKDSNGQYIVNEDKFQILYN  
SIMYGFTIEELGKKFNIKTRLSYFSMNHDPVKIPNLLDDTIYNDTEGFNIESKDLKSEY  
KGQNMVRVNTNAFRNVDGSGSLVSKLIGLCKKIIPPTNIRENLYNRTA

## 3. Storage Buffer

**Liquid Delivery Form:** Tris-based buffer with 50% glycerol.

**Lyophilized Powder Delivery Form:** Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.



## 4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

## 5. Product Description

This product is a recombinant strain Massachusetts / E88 tetX partial protein (2-457aa) expressed in E.coli. The protein is with 6xHis-B2M tag at the N-terminus, which facilitates protein purification, detection and identification. tetX, also known as tetX or CTC\_p60 or Tetanus toxin, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

## 6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.