



# Recombinant Human FTCD Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP06934

**Protein Name:** Formimidoyltransferase Cyclodeaminase (FTCD)

**Aliases:** formiminotransferase-cyclodeaminase; formimidoyltransferase cyclodeaminase; formimidoyltransferase-cyclodeaminase

**UniProt ID:** O95954

**UniProt Link:** <https://www.uniprot.org/uniprotkb/O95954/entry>

**Species Source:** Homo sapiens (Human)

**Expression System:** Yeast

**Protein Length:** Full Length (1-541aa)

**Molecular Weight:** 60 kDa

**Protein Tag:** C-terminal 6xHis-tagged

## 2. Amino Acid Sequence (1-541aa)

MSQLVECVPNFSEGKNQEVIDAISGAITQTPGCVLLDVDAGPSTNRTVYTFVGPPEC  
VVEGALNAARVASRLIDMSRHQGEHPRMGALDVCPFIPVRGVSVDECVLCAQAFG  
QRLAEELDVPVYLYGEAARMDSRRTLPAIRAGEYEALPKKLQQADWAPDFGPSSFV  
PSWGATATGARKFLIAFNINLLGTKEQAHRIALNLREQGRGKDQPGRLKKVQGIGW  
YLDEKNLAQVSTNLLDFEVTALHTVYEETCREAQELSLPVVGSQVLVGLVPLKALLDA  
AAFYCEKENLFILEEEQRIRLVVSRLGLDLSLCPFSPKERIIEYLVPERGPERGLGSKSL  
RAFVGEVGARSAAAPGGGSVAAAAAAMGAALGSMVGLMTYGRRQFQSLDTTMRRL  
IPPFREASAKLTTLVDADAEAFAYLEAMRLPKNTPEEKDRRTAALQEGLRAVSVP  
LTLAETVASLWPALQELARCGNLACRSDLQVAAKALEMGVFGAYFNVLINLRDITDE  
AFKDQIHHRVSSLLQEAKTQAALVLDCLETRQE

## 3. Storage Buffer

**Liquid Delivery Form:** Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

**Lyophilized Powder Delivery Form:** Pre-lyophilization buffer is Tris/PBS-based

## 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 Human FTCD full length protein (1-541aa) expressed in Yeast. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. FTCD, also known as formiminotransferase-cyclodeaminase or formimidoyltransferase cyclodeaminase or formimidoyltransferase-cyclodeaminase, 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.