Full-Length

# FTCD (Human) Recombinant Protein

Catalog # P9596 Size 20 ug

## Specification

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|---|---|
| **Product Description** | Human FTCD (O95954, 1 a.a. - 541 a.a.) full recombinant protein with His tag at N-terminus expressed in Sf9 cells. |
| **Sequence** | MHHHHHHMSQLVECVPNFSEGKNQEVIDAISGAITQTPGCVLLDVDAGPSTNRTVYTFVGPPECV VEGALNAARVASRLIDMSRHQGEHPRMGALDVCPFIPVRGVSVDECVLCAQAFGQRLAEELDV PVYLYGEAARMDSRRTLPAIRAGEYEALPKKLQQADWAPDFGPSSFVPSWGATATGARKFLIAF NINLLGTKEQAHRIALNLREQGRGKDQPGRLKKVQGIGWYLDEKNLAQVSTNLLDFEVTALHTVYE ETCREAQELSLPVVGSQLVGLVPLKALLDAAAFYCEKENLFILEEEQRIRLVVSRLGLDSLCPFSP KERIIEYLVPERGPERGLGSKSLRAFVGEVGARSAAPGGGSVAAAAAAMGAALGSMVGLMTYGR RQFQSLDTTMRRLIPPFREASAKLTTLVDADAEAFTAYLEAMRLPKNTPEEKDRRTAALQEGLRR AVSVPLTLAETVASLWPALQELARCGNLACRSDLQVAAKALEMGVFGAYFNVLINLRDITDEAFK DQIHHRVSSLLQEAKTQAALVLDCLETRQE |
| **Host** | insect |
| **Theoretical MW (kDa)** | 59.7 |
| **Form** | Liquid |
| **Preparation Method** | Sf9 cell expression system |
| **Purity** | > 95.0% by SDS-PAGE |
| **Recommend Usage** | Biological Activity<br>SDS-PAGE<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In 16mM HEPES buffer pH 7.6 (240 mM NaCl and 20% glycerol) |
| **Storage Instruction** | Store at 4°C for 1 week. For long term storage, aliquot and store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |

## Applications

- SDS-PAGE

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## Gene Info — FTCD

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|---|---|
| **Entrez GeneID** | 10841 |
| **Protein Accession#** | O95954 |
| **Gene Name** | FTCD |
| **Gene Alias** | LCHC1 |
| **Gene Description** | formiminotransferase cyclodeaminase |
| **Omim ID** | 229100 606806 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | FTCD is a bifunctional enzyme that channels 1-carbon units from formiminoglutamate, a metabolite of the histidine degradation pathway, to the folate pool.[supplied by OMIM |
| **Other Designations** | OTTHUMP00000115563\|formimidoyltransferase cyclodeaminase |

## Pathway

- Histidine metabolism
- Metabolic pathways
- One carbon pool by folate

## Disease

- Alzheimer disease
- Cardiovascular Diseases
- Cerebral Amyloid Angiopathy
- Cleft Lip
- Cleft Palate
- Diabetes Mellitus
- Edema

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- Genetic Predisposition to Disease
- Neuroblastoma
- Spinal Dysraphism

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