

Full-Length

FTCD (Human) Recombinant Protein

Catalog # P9596

Size 20 ug

Specification

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	MHHHHHMSQLVECVPNFSEGKNQEVIDAISGAITQTPGCVLLDVDAGPSTNRTVYTFVGPPECV VEGALNAARVASRLIDMSRHQGEHPRMGALDVCPFIPVRGVSVDECVLCAQAFGQRLAEELDV PVVLYGEAARMDSRRTLPAIRAGEYEALPKKLQQADWAPDFGPSSFVPSWGATATGARKFLIAF NINLLGTKEQAHRIALNLREQGRGKDQPGRLKKVQGIGWYLDEKNLAQVSTNLLDFEVTALHTVYE ETCREAQELSLPVVGSQVLVGLVPLKALLDAAAFYCEKENLFILEEEQRIRLVVSRLGLDSLCPFPSP KERIIEYLVPERGPERGLGSKSLRAFVGEVGARSAAPGGGSVAAAAAAMGAALGSMVGLMTYGR RQFQSLDTTMRRLIPPFREASAKLTTLVDADAEFTAYLEAMRLPKNTPEEKDRRTAALQEGLRR 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 SDS-PAGE 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 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — FTCD

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](#)

- [Genetic Predisposition to Disease](#)
- [Neuroblastoma](#)
- [Spinal Dysraphism](#)