

Recombinant Full Length Human FTCD Protein, C-Flag-tagged

Cat. No. FTCD-1103HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human FTCD Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The protein encoded by this gene is a bifunctional enzyme that channels 1-carbon units from formiminoglutamate, a metabolite of the histidine degradation pathway, to the folate pool. Mutations in this gene are associated with glutamate formiminotransferase deficiency. Alternatively spliced transcript variants have been found for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	58.7 kDa
AA Sequence	MSQLVECVPNFSEGKNQEVIDAISGAITQTPGCVLLDVDAGPSTNRTVYTFVGPPEC VVEGALNAARVAS RLIDMSRHQGEHPRMGALDVCFFIPVRGVSVDCEVLCAQAFG QRLAEELDVPVYLYGEAARMDSRRTLPA IRAGEYEALPKKLQQADWAPDFGPSSFV PSWGATATGARKFLIAFNINLLGTKEQAHRIALNLREQGRGK DQPGRLKKVQGIGW YLDEKNLAQVSTNLLDFEVTALHTVYEETCREAQELSLPVVGSQVLVGLVPLKALLD A AAFYCEKENLFILEEEQRIRLVVSRLGLDSLCPFSPKERIIEYLVPERGPERGLGSKSL RAFVGEVGAR SAAPGGGSVAAAAAAMGAALGSMVGLMTYGRRQFQSLDTTMRRL IPPFREASAKLTTLVDADAEFTAAYL EAMRLPKNTPEEKDRRTAALQEGLRRAVSV

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LTLAETVASLWPALQELARCGNLACRSDLQVAAKALEMG
VFGAYFNVLINLRDITDEAFKDQIHHRVSSLLQEAKTQAALVLDCLETRQETRTRPLE
QKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Histidine metabolism, Metabolic pathways, One carbon pool by folate
Full Length	Full L.

GENE INFORMATION

Gene Name	FTCD formimidoyltransferase cyclodeaminase [Homo sapiens (human)]
Official Symbol	FTCD
Synonyms	LCHC1
Gene ID	10841
mRNA Refseq	NM_006657.3

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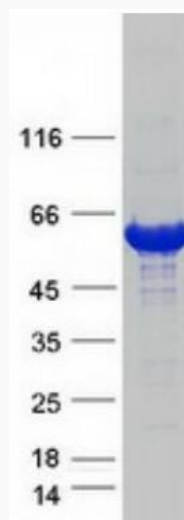
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Protein Refseq [NP_006648.1](#)

MIM [606806](#)

UniProt ID [O95954](#)



Coomassie blue staining of purified FTCD protein.

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