

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 RLIDMSRHQGEHPRMGALDVCFFIPVRGVSVDECVLCAQAFG QRLAEELDVPVYLYGEAARMDSRRTLPA IRAGEYEALPKKLQQADWAPDFGPSSFV PSWGATATGARKFLIAFNINLLGTKEQAHRIALNLRQGRGK DQPGRLKKVQGIGW YLDEKNLAQVSTNLLDFEVTALHTVYEETCREAQELSLPVVGSQVLVGLVPLKALLD A AAFYCEKENLFILEEEQRIRLVVSRLGLDSLCPFSPKERIIEYLVPERGPERGLGSKSL RAFVGEVGAR SAAPGGGSVAAAAAAMGAALGSMVGLMTYGRRQFQSLDTTMRRL IPPFREASAKLTLLVDADAEAFAYL EAMRLPKNTPEEKDRRTAALQEGLRRAVSV

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LTLAETVASLWPALQELARCGNLACRSDLQVAAKALEMG
VFGAYFNVLINLRDITDEAFKDKIHRVSSLLQEAKTQAALVLDCLETRQETRTRPLE
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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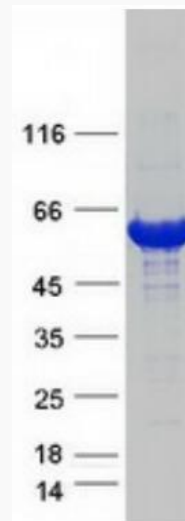
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Protein Refseq NP_006648.1

MIM 606806

UniProt ID O95954



Coomassie blue staining of purified FTCD protein.

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