

Recombinant Human FTCD Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. FTCD-5746H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FTCD MS Standard C13 and N15-labeled recombinant protein (NP_006648) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	58.9 kDa
AA Sequence	MSQLVECVPNFSEGKNQEVIDAISGAIQTGPGCVLLDVDAGPSTNRTVYTFVGPPEC VVEGALNAARVASRLIDMSRHQGEHPRMGALDVCPIFVRGVSVDECVLCAQAFGQ RLAEELDVPVYLYGEAARMDSRRTLPAIRAGEYEALPKKLQQADWAPDFGPSSFVP SWGATATGARKFLIAFNINLLGTKEQAHRIALNLREQGRGKDQPGRLKKVQGIGWYL DEKNLAQVSTNLLDFEVTALHTVYEETCREAQELSLPVVGSQVLGLVPLKALLDAAA FYCEKENLFILEEEQRIRLVSRGLDSLCPFSPKERIIEYLVPERGPERGLGSKSLRA FVGEVGARSAAPGGGSVAAAAAAMGAALGSMVGLMTYGRRQFQSLDTTMRRLIPP FREASAKLTTLVDADAEAFAYLEAMRLPKNTPEEKDRRTAALQEGLRRRAVSPLTL

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AETVASLWPALQELARCGNLACRSDLQVAAKALEMGVFGAYFNVLINLRDITDEAFK
DQIHHRVSSLLQEAKTQAALVLDCLQETRQETRTRPLEQKLISEEDLAANDILDYKDDD
DKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name FTCD formiminotransferase cyclodeaminase [Homo sapiens (human)]

Official Symbol FTCD

Synonyms FTCD; formiminotransferase cyclodeaminase; formimidoyltransferase-cyclodeaminase; formiminotransferase-cyclodeaminase; formimidoyltransferase cyclodeaminase; LCHC1;

Gene ID 10841

mRNA Refseq NM_006657

Protein Refseq NP_006648

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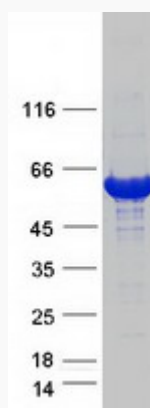
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MIM 606806

UniProt ID O95954

SDS-PAGE



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