

Product datasheet for **TP308573M**

FTCD (NM_006657) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human formiminotransferase cyclodeaminase (FTCD), transcript variant B, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208573 protein sequence Red =Cloning site Green =Tags(s)

MSQLVECVPNFSEGKNQEVIDAISGAIQTTPGCVLLDVDAGPSTNRTVYTFVGPPECWEGALNAARVAS
RLIDMSRHQGEHPRMGALDVCPFIPVRGVSVDLCAQAFGQRLAEELDVPVYLYGEARMDSRRTLPA
IRAGEYEALPKKLQADWAPDFGPSSFVPSWGATATGARKFLIAFNINLLGTKEQAHRIALNLREQGRGK
DQPGRLKKVQGIGWYLDEKNLAQVSTNLLDFEVTALHTVYEETCREAQELSLPVVGSQVLVGLVPLKALLD
AAAFYCEKENLFILEEQRIRLVSRGLDSLCPFSPKERIIEYLVPERGPERGLGSKSLRAFVGEVGAR
SAAPGGGSVAAAAAAMGAALGSMVGLMTYGRRQFQSLDTTMRRLIPPFREASAKLTTLVDAEAEFTAYL
EAMRLPKNTPEEKDRRTAALQEGLRAVSVPLTLAETVASLWALQELARCGNLACRSDLQVAAKALEMG
VFGAYFNVLINLRDITDEAFKQIHHRVSSLLQEAKTQAALVLDCLERQE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

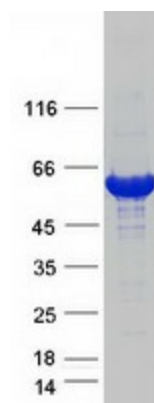
Tag:	C-Myc/DDK
Predicted MW:	58.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_006648
Locus ID:	10841
UniProt ID:	O95954
RefSeq Size:	1921
Cytogenetics:	21q22.3
RefSeq ORF:	1623
Synonyms:	LCHC1
Summary:	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.[provided by RefSeq, Dec 2009]
Protein Pathways:	Histidine metabolism, Metabolic pathways, One carbon pool by folate

Product images:



Coomassie blue staining of purified FTCD protein (Cat# [TP308573]). The protein was produced from HEK293T cells transfected with FTCD cDNA clone (Cat# [RC208573]) using MegaTran 2.0 (Cat# [TT210002]).