

## Product datasheet for **TP308573L**

### FTCD (NM\_006657) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human formiminotransferase cyclodeaminase (FTCD), transcript variant B, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208573 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MSQLVECVPNFSEGNQEVDAISGAIQTTPGCVLLDVDAGPSTNRTVYTFVGPPECWEGALNAARVAS  
RLIDMSRHQGEHPRMGALDVCPFIPVRGVSVDLCAQAFGQRLAEELDVPVYLYGEAARMDSRRTLPA  
IRAGEYEALPKLQADWAPDFGPSSFVPSWGATATGARKFLIAFNINLLGTKEQAHRIALNLREQGRGK  
DQPGRLKKVQGGIGWYLDEKNLAQVSTNLLDFEVTALHTVYEETCREAQELSLPVVGSQVLVGLVPLKALLD  
AAAFYCEKENLFILEEQRIRLVSRGLDSLCPFSPKERIIEYLVPERGPERGLGSKSLRAFVGEVGAR  
SAAPGGGSVAAAAAAMGAALGSMVGLMTYGRRQFQSLDTTMRRLIPPFREASAKLTTLVADAEAFAYL  
EAMRLPKNTPEEKDRRTAALQEGLRAVSVPLTLAETVASLWPALQELARCGNLACRSDLQVAAKALEMG  
VFGAYFNVLINLRDITDEAFKQIHRVSSLLQEAKTQAALVLDCLETRQE

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

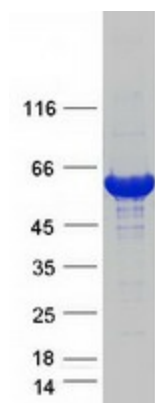
Tag:	C-Myc/DDK
Predicted MW:	58.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_006648</a>
<b>Locus ID:</b>	10841
<b>UniProt ID:</b>	<a href="#">O95954</a>
<b>RefSeq Size:</b>	1921
<b>Cytogenetics:</b>	21q22.3
<b>RefSeq ORF:</b>	1623
<b>Synonyms:</b>	LCHC1
<b>Summary:</b>	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]
<b>Protein Pathways:</b>	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]).