

Product datasheet for PH308573

FTCD (NM_006657) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FTCD MS Standard C13 and N15-labeled recombinant protein (NP_006648)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208573
Predicted MW:	58.9 kDa
Protein Sequence:	>RC208573 protein sequence Red=Cloning site Green=Tags(s)

MSQLVECVPNFSEGKNQEVIDAISGAITQTPGCVLLDVDAGPSTNRTVYTFVGPPECCVVEGALNAARVAS
RLIDMSRHQGEHPRMGALDVCPFIPVRGVSVDECVLCAQAFGQRLAEELDVPVYLYGEEAARMDSRRTLPA
IRAGEYEALPKKLQQADWAPDFGPSSFVPSWGATATGARKFLIAFNINLLGTKEQAHRIALNLREQGRGK
DQPGRLLKVKQIGWYLDKLNLAQVSTNLLDFEVTALHTVYEETCREAQELSLPVVGSQVLGLVPLKALLD
AAAFYCEKENLFIIEEQIRLIVSRLGLDSLCPFSKERIIEYLVPERGPERGLGSKSLRAFVGEVGAR
SAAPGGGSVAAAAAMGAALGSMVGLMTYGRRQFQSLDTTMRRLIPPFREASAKLTTLVDADAEAF TAYL
EAMRLPKNTPPEKDRRTAALQEGLRRAVS VPL TLAETVASLWPALQELARCGNLACRSDLQVAAKALEMG
VFGAYFNVLINLRDITDEAFKDQIHHRVSLLQEAKTQAALVLDCLETRQE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_006648</u>
RefSeq Size:	1921
RefSeq ORF:	1623



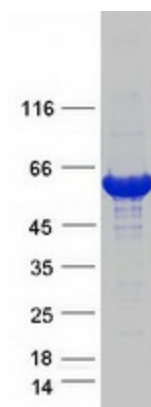
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Synonyms: LCHC1
Locus ID: 10841
UniProt ID: [O95954](#)
Cytogenetics: 21q22.3

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]).