

Formiminotransferase Cyclodeaminase Recombinant Protein | FTCD recombinant protein

Recombinant Human Formiminotransferase Cyclodeaminase

CATALOG # AAA38266	HOST Sf9 Insect Cells
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PRODUCT SYNONYMS

Formiminotransferase Cyclodeaminase; Recombinant Human Formiminotransferase Cyclodeaminase; FTCD Human; Formiminotransferase Cyclodeaminase Human Recombinant; Formiminotransferase-cyclodeaminase; FTCD; LCHC1; LC-1; FTCD recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 Insect Cells
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Form/Format	FTCD is supplied at a concentration of 0.58 mg/ml in 16 mM HEPES buffer pH7.6, 240mM sodium chloride, and 20% glycerol.
Concentration	0.35-0.7 ug/ml (depending on the type of ELISA plate and coating buffer). Suitable for biotinylation and iodination. (varies by lot)
Sequence Length	541
Immunological Functions	1. Binds IgG-type human auto-antibodies. 2. Standard ELISA test (checker-board analysis of positive/negative sera panels, immuno-dot test).
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for FTCD recombinant protein	Description: Formiminotransferase Cyclodeaminase Human Recombinant (also called liver cytosol type 1) produced in SF9, is a glycosylated, polypeptide chain having a molecular mass of 59,749 Dalton. The FTCD is expressed with a -6xHis tag and purified by proprietary chromatographic techniques. Introduction: Formiminotransferase cyclodeaminase is an enzyme which catalyzes the conversion of formiminoglutamate and tetrahydrofolate into formimino-tetrahydrofolate and glutamate. Formiminotransferase cyclodeaminase, a bifunctional enzyme of tetrahydrofolate synthesis, is the target antigen of anti-LC1 (liver cytosol antigen type 1) autoantibodies. Presence of LC1 autoantibodies is a marker for type 2 autoimmune hepatitis (for which anti-LKM 1/cytochrome P450 2D6 autoantibodies are a further marker). Serum LC1 autoantibody concentrations appear to fluctuate in parallel with aminotransferase levels, a particularly intriguing observation that suggests a possible role of LC1 autoreactivity in the pathogenic mechanism leading to hepatocyte injury.
Product Categories/Family for FTCD recombinant protein	Enzymes; Deaminase

NCBI AND UNIPROT INFORMATION

NCBI GI #	11140815
NCBI GeneID	10841
NCBI Accession #	NP_006648.1
NCBI GenBank Nucleotide #	NM_006657.2
UniProt Accession #	O95954; Q86V03; Q9HCT4; Q9HCT5; Q9HCT6; Q9UJH2; B9EGD0

NCBI Official Full Name	formimidoyltransferase-cyclodeaminase
NCBI Official Synonym Full Names	formimidoyltransferase cyclodeaminase
NCBI Official Symbol	FTCD
NCBI Official Synonym Symbols	LCHC1
NCBI Protein Information	formimidoyltransferase-cyclodeaminase; formiminotransferase cyclodeaminase; formiminotransferase-cyclodeaminase
UniProt Protein Name	Formimidoyltransferase-cyclodeaminase
UniProt Gene Name	FTCD
UniProt Synonym Gene Names	FTCD
UniProt Entry Name	FTCD_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ftcd-recombinant-protein-sf9-insect-cells/38266>