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FTCD Human

Catalog #:ENPS-309

For research use only.

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.

Synonyms: Formiminotransferase-cyclodeaminase, FTCD, LCHC1, LC-1.

Source: Sf9 insect cells.

Purity: Greater than 95% as determined by SDS-PAGE.

Formulation:
FTCD is supplied in 16mM HEPES buffer pH-7.6, 240mM sodium chloride, and 20% glycerol.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
Formiminotransferase cyclodeaminase is an enzyme which catalyzes the conversion of formiminoglutamateand tetrahydrofolateinto formiminotetrahydrofolateand 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 sµggests a possible role of LC1 autoreactivity in the pathogenic mechanism leading to hepatocyte injury.

Storage:
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°Cfor longer periods of time. Avoid multiple freeze-thaw cycles.

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