

Recombinant Human SLC25A13 cell lysate

Cat. No. SLC25A13-1622HCL Lot. No. (See product label)

SPECIFICATION

Species

Human

Description

This gene is a member of the mitochondrial carrier family. The encoded protein contains four EF-hand Ca(2+) binding motifs in the N-terminal domain, and localizes to mitochondria. The protein catalyzes the exchange of aspartate for glutamate and a proton across the inner mitochondrial membrane, and is stimulated by calcium on the external side of the inner mitochondrial membrane. Mutations in this gene result in citrullinemia, type II. Multiple transcript variants encoding different isoforms have been found for this gene.

Size

100 ul

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Applications

Western Blot;

GENE INFORMATION

Gene Name

SLC25A13 solute carrier family 25 (aspartate/glutamate carrier), member 13 [Homo sapiens]

Official Symbol

SLC25A13

Synonyms

SLC25A13; solute carrier family 25 (aspartate/glutamate carrier), member 13; CTLN2,

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solute carrier family 25, member 13 (citrin); calcium-binding mitochondrial carrier protein Aralar2; ARALAR2; CITRIN; mitochondrial aspartate glutamate carrier 2; solute carrier family 25, member 13 (citrin); CTLN2;

Gene ID [10165](#)

mRNA Refseq [NM_001160210](#)

Protein Refseq [NP_001153682](#)

MIM [603859](#)

UniProt ID [Q9UJS0](#)

Chromosome Location 7q21.3

Pathway Gluconeogenesis, organism-specific biosystem; Glucose metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of carbohydrates, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; Mitochondrial Protein Import, organism-specific biosystem;

Function L-aspartate transmembrane transporter activity; L-glutamate transmembrane transporter activity; L-glutamate transmembrane transporter activity; binding; calcium ion binding; calcium ion binding; transporter activity;

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