

Recombinant Human SLC25A13 cell lysate

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

SPECIFICATION

Product Overview

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

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Synonyms	SLC25A13; solute carrier family 25 (aspartate/glutamate carrier), member 13; CTLN2, 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; binding; calcium ion binding; calcium ion binding; transporter activity;