

Recombinant Human SLC13A3 cell lysate

Cat. No. SLC13A3-1615HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	Mammalian sodium-dicarboxylate cotransporters transport succinate and other Krebs cycle intermediates. They fall into 2 categories based on their substrate affinity: low affinity and high affinity. Both the low- and high-affinity transporters play an important role in the handling of citrate by the kidneys. The protein encoded by this gene represents the high-affinity form. Alternatively spliced transcript variants encoding different isoforms have been found for this gene, although the full-length nature of some of them have not been characterized yet.
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	SLC13A3 solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 3 [Homo sapiens]
Official Symbol	SLC13A3

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Synonyms	SLC13A3; solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 3; solute carrier family 13 member 3; NADC3; SDCT2; hNaDC3; naDC-3; Na(+)/dicarboxylate cotransporter 3; sodium-dependent high affinity dicarboxylate transporter 3; sodium-dependent high-affinity dicarboxylate transporter 2;
Gene ID	64849
mRNA Refseq	NM_001011554
Protein Refseq	NP_001011554
MIM	606411
UniProt ID	Q8WWT9
Chromosome Location	20q12-q13.1
Pathway	SLC-mediated transmembrane transport, organism-specific biosystem; Sodium-coupled sulphate, di- and tri-carboxylate transporters, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem; Transport of glucose and other sugars, bile salts and organic acids, metal ions and amine compounds, organism-specific biosystem;
Function	L-aspartate transmembrane transporter activity; citrate transmembrane transporter activity; high affinity sodium:dicarboxylate symporter activity; succinate transmembrane transporter activity; symporter activity; transporter activity;