

Recombinant Human SLC10A1 293 Cell Lysate

Cat. No. SLC10A1-1807HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for solute carrier family 10 (sodium/bile acid cotransporter family), member 1 (SLC10A1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

SLC10A1 solute carrier family 10 (sodium/bile acid cotransporter family), member 1 [Homo sapiens]

Official Symbol

SLC10A1

Synonyms

SLC10A1; solute carrier family 10 (sodium/bile acid cotransporter family), member 1; sodium/bile acid cotransporter; NTCP; growth-inhibiting protein 29; Na(+)/bile acid cotransporter; sodium/taurocholate cotransporter; solute carrier family 10 member 1; Na(+)/taurocholate transport protein; cell growth-inhibiting gene 29 protein; Na/taurocholate cotransporting polypeptide; sodium/taurocholate cotransporting polypeptide;

Gene ID

6554

mRNA Refseq

NM_003049

Protein Refseq

NP_003040

MIM

182396

UniProt ID

Q14973

**Chromosome
Location**

14q24

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Pathway	Bile acid and bile salt metabolism, organism-specific biosystem; Bile secretion, organism-specific biosystem; Bile secretion, conserved biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Recycling of bile acids and salts, organism-specific biosystem;
Function	bile acid:sodium symporter activity; symporter activity;

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