Recombinant Human SLC5A5 cell lysate, Myc/DDK-tagged

Cat. No. SLC5A5-82HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC5A5 transient overexpression lysate (as WB positive control)with a C-terminal Myc/DDK tag was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the sodium glucose cotransporter family. The encoded protein is responsible for the uptake of iodine in tissues such as the thyroid and lactating breast tissue. The iodine taken up by the thyroid is incorporated into the metabolic regulators triiodothyronine (T3) and tetraiodothyronine (T4). Mutations in this gene are associated with thyroid dyshormonogenesis 1.
Molecular Mass	68.7 kDa
Usage	1 vial of 100 µg gene specific transient over-expression cell lysate in RIPA buffer 1 vial of 100 µg empty vector transfected control cell lysate in RIPA buffer 1 vial of 250ul 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002% Bromphenol blue, 100mM DTT)
Stability	Lysate samples are stable for 12 months from date of receipt when stored at -20 centigrade. Lysate samples can be diluted with 2xSDS Sample Buffer provided. After dilution, the protein sample should be aliquoted and stored at -20centigrade for long term storage. Lysate samples are stable for 12 months from date of receipt when stored at -20centigrade.

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Storage	Upon receiving, store the sample at -20 cecntigrade. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	SLC5A5 solute carrier family 5 member 5 [Homo sapiens (human)]
Official Symbol	SLC5A5
Synonyms	SLC5A5; solute carrier family 5 member 5; NIS; TDH1; sodium/iodide cotransporter; Na(+)/I(-) cotransporter; Na(+)/I(-) symporter; solute carrier family 5 (sodium iodide symporter), member 5; solute carrier family 5 (sodium/iodide cotransporter), member 5
Gene ID	6528
mRNA Refseq	NM_000453
Protein Refseq	NP_000444
MIM	601843
UniProt ID	Q92911

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