

# SLC6A19 (h): 293T Lysate: sc-129783

## BACKGROUND

SLC6A19 (solute carrier family 6 (neurotransmitter transporter), member 19), also known as sodium-dependent neutral amino acid transporter B(0)AT1 or system B(0) neutral amino acid transporter AT1, is a 634 amino acid multi-pass membrane protein that functions as a transporter responsible for mediating the resorption of neutral amino acids across the apical membrane of renal and intestinal epithelial cells. A member of the sodium:neurotransmitter symporter (SNF) family, SLC6A19 has the ability to bind all large neutral non-aromatic L-amino acids but prefers leucine as its substrate, which it uptakes in a sodium-dependent manner. Expressed in skin, kidney and intestine, SLC6A19 distribution is most prominent in renal cortex, proximal tubules and villus enterocytes. Mutations in the gene encoding SLC6A19 are linked to the development of Hartnup disorder, an autosomal recessive defect characterized by cerebellar ataxia, psychosis and rashes.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: SLC6A19 (human) mapping to 5p15.33.

## PRODUCT

SLC6A19 (h): 293T Lysate represents a lysate of human SLC6A19 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

## STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

## APPLICATIONS

SLC6A19 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive SLC6A19 antibodies. Recommended use: 10-20 µl per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

## RESEARCH USE

For research use only, not for use in diagnostic procedures.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.