

Human SLC25A12 Knockdown Cell Lysate

Cat. No. SLC25A12-428HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated SLC25A12 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	This gene encodes a calcium-binding mitochondrial carrier protein. The encoded protein localizes to the mitochondria and is involved in the exchange of aspartate for glutamate across the inner mitochondrial membrane. Polymorphisms in this gene may be associated with autism, and mutations in this gene may also be a cause of global cerebral hypomyelination. Alternatively spliced transcript variants have been observed for this gene.
Form	Cell-Tissue Lysis buffer
Molecular Mass	75 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific

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Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg SLC25A12 KD HeLa cell lysate
Protein Families	Druggable Genome
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	SLC25A12 solute carrier family 25 (aspartate/glutamate carrier), member 12 [Homo sapiens (human)]
Official Symbol	SLC25A12
Synonyms	SLC25A12; solute carrier family 25 (aspartate/glutamate carrier), member 12; solute carrier family 25 (mitochondrial carrier, Aralar), member 12; calcium-binding mitochondrial carrier protein Aralar1; Aralar; araceli hiperlarga; mitochondrial aspartate glutamate carrier 1; calcium binding mitochondrial carrier superfamily member Aralar1; AGC1; ARALAR;
Gene ID	8604
mRNA Refseq	NM_003705
Protein Refseq	NP_003696
MIM	603667
UniProt ID	O75746

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