

Recombinant Human SLC6A3 cell lysate

Cat. No. SLC6A3-1637HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	The dopamine transporter (DAT1) mediates the active reuptake of dopamine from the synapse and is a principal regulator of dopaminergic neurotransmission. The DAT1 gene has been implicated in human disorders such as parkinsonism, Tourette syndrome, and substance abuse (Vandenbergh et al., 1992 [PubMed 1359373]).
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	SLC6A3 solute carrier family 6 (neurotransmitter transporter, dopamine), member 3 [<i>Homo sapiens</i>]
Official Symbol	SLC6A3
Synonyms	SLC6A3; solute carrier family 6 (neurotransmitter transporter, dopamine), member 3; DAT1; sodium-dependent dopamine transporter; DAT; dopamine transporter; DA transporter; solute carrier family 6 member 3;

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Gene ID	6531
mRNA Refseq	NM_001044
Protein Refseq	NP_001035
MIM	126455
UniProt ID	Q01959
Chromosome Location	5p15.3
Pathway	Alpha-synuclein signaling, organism-specific biosystem; Amphetamine addiction, organism-specific biosystem; Amphetamine addiction, conserved biosystem; Cocaine addiction, organism-specific biosystem; Cocaine addiction, conserved biosystem; Dopamine clearance from the synaptic cleft, organism-specific biosystem; Dopaminergic synapse, organism-specific biosystem;
Function	dopamine binding; dopamine transmembrane transporter activity; dopamine:sodium symporter activity; drug binding; monoamine transmembrane transporter activity; protein N-terminus binding; protein complex binding; receptor binding; symporter activity;

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