

## Recombinant Human SLC6A3 cell lysate

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

### SPECIFICATION

**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 [ *Homo sapiens* ]

**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;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Gene ID</b>	6531
<b>mRNA Refseq</b>	NM_001044
<b>Protein Refseq</b>	NP_001035
<b>MIM</b>	126455
<b>UniProt ID</b>	Q01959
<b>Chromosome Location</b>	5p15.3
<b>Pathway</b>	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;
<b>Function</b>	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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