

Recombinant Full Length Human SLC6A3 Protein, GST-tagged

Cat. No. SLC6A3-696HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human SLC6A3(1 a.a. - 620 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	620 amino acids
Description	This gene encodes a dopamine transporter which is a member of the sodium- and chloride-dependent neurotransmitter transporter family. The 3' UTR of this gene contains a 40 bp tandem repeat, referred to as a variable number tandem repeat or VNTR, which can be present in 3 to 11 copies. Variation in the number of repeats is associated with idiopathic epilepsy, attention-deficit hyperactivity disorder, dependence on alcohol and cocaine, susceptibility to Parkinson disease and protection against nicotine dependence.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	117.92 kDa
AA Sequence	MSEAGGAGPG GCGAGAGAGA GPGALPPQPA ALPPAPPQGS PCAAAGGSG ACGPATAVAA AGTAEGPGGG GSARIAVKKA QLRSAPRAKK LEKLGVYSAC KAEESCKCNG WKNPNPSPTP PRADLQQIIV SLTESCRSCS HALAAHVSHL ENVSEEEMNR LLGIVLDVEY LFTCVHKEED ADTKQVYFYF FKLLRKSILQ

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RGKPVVEGSL EKKPPFEKPS IEQGVNNFVQ YKFSHLPAGE RQTIVELAKM
 FLNRINYWHL EAPSQRRLRS PNDDISGYKE NYTRWLCYCN VPQFCDSLPR
 YETTQVFGRT LLRSVFTVMR RQLLEQARQE KDKLPLEKRT LILTHFPKFL
 SMLEEEVYSQ NSPIWDQDFL SASSRTSQLG IQTVINPPPV AGTISYNSTS
 SSLEQPNAGS SSPACKASSG LEANPGEKRR MTDSHVLEEA KKPRVMGDIP
 MELINEVMST ITDPAAMLGP ETNFLSAHSA RDEAARLEER RGVIEFHVVG
 NSLNQKPNKK ILMWLVLQN VFSHQLPRMP KEYITRLVFD PKHKTLALIK
 DGRVIGGICF RMFPSQGFTE IVCAVTSNE QVKGYGTHLM NHLKEYHIKH
 DILNFLTAD EYAIGYFKKQ GFSKEIKIPK TKYVGYIKDY EGATLMGCEL
 NPRIPTYEFS VIIKKQKEI KKLIERKQAA IRKVYPGLSC FKDGVRQIPI ESIPGIRETG
 WKPSGKEKSK EPRDPDQLYS TLKSILQQVK SHQSAWPFME PVKRTEAPGY
 YEVRFPMDL KTMSERLKNR YYVSKKLFMA DLQRVFTNCK EYNPPSEYY
 KCANILEKFF FSKIKEAGLI DK

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

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

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Gene ID	6531
mRNA Refseq	NM_001044
Protein Refseq	NP_001035
MIM	126455
UniProt ID	Q01959

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