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 PCAAAAGGSG ACGPATAVAA AGTAEGPGGG GSARIAVKKA QLRSAPRAKK LEKLGVYSAC KAEESCKCNG WKNPNPSPTP PRADLQQIIV SLTESCRSCS HALAAHVSHL ENVSEEEMNR LLGIVLDVEY LFTCVHKEED ADTKQVYFYL FKLLRKSILQ

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	RGKPVVEGSL EKKPPFEKPS IEQGVNNFVQ YKFSHLPAKE RQTIVELAKM FLNRINYWHL EAPSQRRLRS PNDDISGYKE NYTRWLCYCN VPQFCDSLPR YETTQVFGRT LLRSVFTVMR RQLLEQARQE KDKLPLEKRT LILTHFPKFL SMLEEEVYSQ NSPIWDQDFL SASSRTSQLG IQTVINPPPV AGTISYNSTS SSLEQPNAGS SSPACKASSG LEANPGEKRK MTDSHVLEEA KKPRVMGDIP MELINEVMST ITDPAAMLGP ETNFLSAHSA RDEAARLEER RGVIEFHVVG NSLNQKPNKK ILMWLVGLQN VFSHQLPRMP KEYITRLVFD PKHKTLALIK DGRVIGGICF RMFPSQGFTE IVFCAVTSNE QVKGYGTHLM NHLKEYHIKH DILNFLTYAD EYAIGYFKKQ GFSKEIKIPK TKYVGYIKDY EGATLMGCEL NPRIPYTEFS VIIKKQKEII KKLIERKQAQ IRKVYPGLSC FKDGVRQIPI ESIPGIRETG WKPSGKEKSK EPRDPDQLYS TLKSILQQVK SHQSAWPFME PVKRTEAPGY YEVIRFPMDL KTMSERLKNR YYVSKKLFMA DLQRVFTNCK EYNPPESEYY 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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