Recombinant Human SLC6A4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SLC6A4-1099H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SLC6A4 MS Standard C13 and N15-labeled recombinant protein (NP_001036) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes an integral membrane protein that transports the neurotransmitter serotonin from synaptic spaces into presynaptic neurons. The encoded protein terminates the action of serotonin and recycles it in a sodium-dependent manner. This protein is a target of psychomotor stimulants, such as amphetamines and cocaine, and is a member of the sodium:neurotransmitter symporter family. A repeat length polymorphism in the promoter of this gene has been shown to affect the rate of serotonin uptake. There have been conflicting results in the literature about the possible effect, if any, that this polymorphism may play in behavior and depression.
Molecular Mass	70.1 kDa
AA Sequence	METTPLNSQKQLSACEDGEDCQENGVLQKVVPTPGDKVESGQISNGYSAVPSPGA GDDTRHSIPATTTTLVAELHQGERETWGKKVDFLLSVIGYAVDLGNVWRFPYICYQN GGGAFLLPYTIMAIFGGIPLFYMELALGQYHRNGCISIWRKICPIFKGIGYAICIIAFYIAS YYNTIMAWALYYLISSFTDQLPWTSCKNSWNTGNCTNYFSEDNITWTLHSTSPAEEF YTRHVLQIHRSKGLQDLGGISWQLALCIMLIFTVIYFSIWKGVKTSGKVVWVTATFPYII

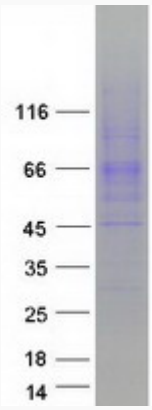
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	LSVLLVRGATLPGAWRGVLFYLKPNWQKLLETGVWIDAAAQIFFSLGPGFGVLLAFA SYNKFNNNCYQDALVTSVVNCMTSFVSGFVIFTVLGYMAEMRNEDVSEVAKDAGPS LLFITYAEAIANMPASTFFAIIFFLMLITLGLDSTFAGLEGVITAVLDEFPHVWAKRRER FVLAVVITCFFGSLVTLTFGGAYVVKLLEEYATGPAVLTVALIEAVAVSWFYGITQFCR DVKEMLGFSPGWFWRICWVAISPLFLLFIICSFLMSPPQLRLFQYNYPYWSIILGYCIG TSSFICIPTYIAYRLIITPGTFKERIIKSITPETPTEIPCGDIRLNAVTRTRPLEQKLISEED LAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	SLC6A4 solute carrier family 6 member 4 [Homo sapiens (human)]
Official Symbol	SLC6A4
Synonyms	SLC6A4; solute carrier family 6 (neurotransmitter transporter, serotonin), member 4; HTT; sodium-dependent serotonin transporter; 5 HTT; SERT1; 5HT transporter; 5-hydroxytryptamine transporter; solute carrier family 6 member 4; Na+/Cl- dependent serotonin transporter; 5HTT; OCD1; SERT; 5-HTT; hSERT; 5-HTTLPR;
Gene ID	6532

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mRNA Refseq	NM_001045
Protein Refseq	NP_001036
MIM	182138
UniProt ID	P31645
SDS-PAGE	

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