

Active Recombinant Full Length Human SLC6A4 Protein, C-Flag-tagged

Cat. No. SLC6A4-601HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SLC6A4 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	WB standard
Molecular Mass	70.1 kDa
AA Sequence	METTPLNSQKQLSACEDGEDCQENGVLQKVVPTPGDKVESGQISNGYSAVPSPGA GDDTRHSIPATTTTL VAE LHQGERETWGKKVDFLLSVIGYAVDLGNVWRFPYICYQ

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NGGGAFLLPYTIMAIFGGIPLFYMELALG QYHRNGCISIWRKICPIFKGIGYAICIIAFYI
 ASYYNTIMAWALYYLISSFTDQLPWTSCKNWNTGNCT NYFSEDNITWTLHSTSPA
 EEFYTRHVLQIHRKGLQDLGGISWQLALCIMLIFTVIYFSIWKGVKTSKGV VVWTAT
 FPYIILSVLLVRGATLPGAWRGVLFYLPKNWQKLLTGVWIDAAAQIFFSLGPGFGVL
 LAFASY NKFNNNCYQDALVTSVNCMTSFVSGFVIFTVLGYMAEMRNEDVSEVAKD
 AGPSLLFITAYAEAIANMPAS TFFAIIFLMLITLGLDSTFAGLEGVITAVLDEFPHVWAK
 RRERFVLAVVITCFFGSLVTLTFGGAYVVK LLEEYATGPAVLTVALIEAVAVSWFYGI
 TQFCRDVKEMLGFSFGWFWRICWVAISPLFLFIICSFLMSP PQLRLFQYNYPYWSII
 LGYCIGTSSFICIPTYIAYRLIITPGTFKERIISITPETPTEIPCGDIRLNAVTRTRPLEQK
 LISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transmembrane
Full Length	Full L.

GENE INFORMATION

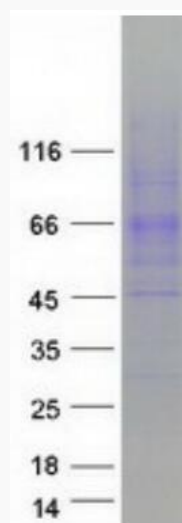
Gene Name	SLC6A4 solute carrier family 6 member 4 [Homo sapiens (human)]
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Official Symbol	SLC6A4
Synonyms	HTT; 5HTT; OCD1; SERT; 5-HTT; SERT1; hSERT; 5-HTTLPR
Gene ID	6532
mRNA Refseq	NM_001045.6
Protein Refseq	NP_001036.1
MIM	182138
UniProt ID	P31645



Coomassie blue staining of purified SLC6A4 protein.

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