

## Product datasheet for **TP310187M**

### Serotonin transporter (SLC6A4) (NM\_001045) Human Recombinant Protein

#### Product data:

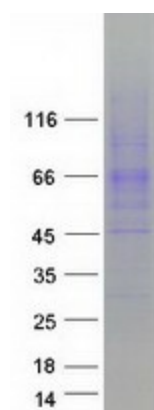
Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens solute carrier family 6 (neurotransmitter transporter, serotonin), member 4 (SLC6A4), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210187 representing NM_001045 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>METTPLNSQKQLSACEDGEDCQENGLVQKVPTPGDKVESGQISNGYSAVPSPGAGDDTRHSIPATTTTL VAELHQGERETWGKKVDFLLSVIGYAVDLGNVWRFPYICYQNGGAFLLPYTIMAIFGGIPLFYMELALG QYHRNGCISWRKICPIFKGIGYAICIIAFYIASYYNTIMAWALYLISSFTDQLPWTSCKNSWNTGNCT NYFSEDNITWTLHSTSPAEFYTTRHVLQIHRSKGLQDLGGISWQLALCIMLIFTVIYFSIWKGVKTSGBKV VWVATATFPYIILSVLLVRGATLPGAWRGVLFYLPKNWQKLETTGVWIDAAAQIFFSLGPGFGVLLAFASY NKFNNNCYQDALVTSVWNCMTSFVSGFVIFTVLGYMAEMRNEDVSEVAKDAGPSLLFITYAEAIANMPAS TFFAIIFLMLITLGLDSTFAGLEGVITAVLDEFPHWAKRRERFVLAUVITCFFGSLVTLTFGGAYVVK LLEEYATGPAVLTVLIEAVAVSWFYGITQFCRDVKEMLGFSPGWFWRICWVAISPLFLLFIICSFLMSP PQLRFLQYNYPYWSIILGYCIGTSSFCIPTIYARLIITPGTFKERIISITPETPTEIPCGDIRLNAV</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	70.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	WB standard (PMID: <a href="https://pubmed.ncbi.nlm.nih.gov/26297601/">26297601</a> )
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001036</a>
<b>Locus ID:</b>	6532
<b>UniProt ID:</b>	<a href="#">P31645</a> , <a href="#">B2R7Y7</a>
<b>RefSeq Size:</b>	2756
<b>Cytogenetics:</b>	17q11.2
<b>RefSeq ORF:</b>	1890
<b>Synonyms:</b>	5-HTT; 5-HTTLPR; 5HTT; hSERT; HTT; OCD1; SERT; SERT1
<b>Summary:</b>	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. [provided by RefSeq, May 2019]
<b>Protein Families:</b>	Druggable Genome, Transmembrane

### Product images:



Coomassie blue staining of purified SLC6A4 protein (Cat# [TP310187]). The protein was produced from HEK293T cells transfected with SLC6A4 cDNA clone (Cat# [RC210187]) using MegaTran 2.0 (Cat# [TT210002]).