

Recombinant Mouse Slc6a4 Protein, His-tagged

Cat. No. Slc6a4-2079M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Slc6a4 Protein (Ser483-Val630) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ser483-Val630
Description	Enables monoamine transmembrane transporter activity; neurotransmitter transmembrane transporter activity; and nitric-oxide synthase binding activity. Involved in several processes, including brain morphogenesis; serotonin uptake; and social behavior. Acts upstream of or within cellular response to organic substance. Located in focal adhesion and synapse. Is expressed in several structures, including early conceptus; liver; nervous system; ovary; and polar body. Used to study autism spectrum disorder and sudden infant death syndrome. Human ortholog(s) of this gene implicated in several diseases, including alcohol use disorder; alexithymia; anxiety disorder (multiple); heart disease (multiple); and mental depression (multiple). Orthologous to human SLC6A4 (solute carrier family 6 member 4).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 16.6 kDa Accurate Molecular Mass: 20 kDa

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Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Slc6a4 solute carrier family 6 (neurotransmitter transporter, serotonin), member 4 [Mus musculus (house mouse)]
Official Symbol	Slc6a4
Synonyms	Slc6a4; solute carrier family 6 (neurotransmitter transporter, serotonin), member 4; Htt; Sert; 5-HTT; AI323329; sodium-dependent serotonin transporter; 5-hydroxytryptamine (serotonin) transporter; 5HT transporter; 5HTT; Sodium-dependent serotonin transporter (5HT transporter) (5HTT); solute carrier family 6 member 4
Gene ID	15567
mRNA Refseq	NM_010484

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Protein Refseq	NP_034614
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UniProt ID	Q60857
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