

Datasheet for ABIN2732177

SLC6A4 Protein (Myc-DYKDDDDK Tag)[1 Image](#)[1 Publication](#)[Go to Product page](#)

Overview

Quantity:	20 µg
Target:	SLC6A4
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC6A4 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:	<ul style="list-style-type: none">• Recombinant human SLC6A4 / SERT protein expressed in HEK293 cells.• Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

Target Details

Target:	SLC6A4
Alternative Name:	Slc6a4,sert (SLC6A4 Products)
Background:	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

Target Details

this gene has been shown to affect the rate of serotonin uptake and may play a role in sudden infant death syndrome, aggressive behavior in Alzheimer disease patients, and depression-susceptibility in people experiencing emotional trauma.

Molecular Weight: 70.1 kDa

NCBI Accession: [NP_001036](#)

Application Details

Application Notes: Recombinant human proteins can be used for:
Native antigens for optimized antibody production
Positive controls in ELISA and other antibody assays

Comment: The tag is located at the C-terminal.

Restrictions: For Research Use only

Handling

Concentration: 50 µg/mL

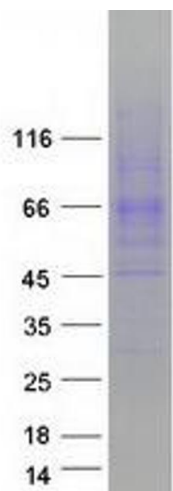
Buffer: 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.

Storage: -80 °C

Storage Comment: Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

Publications

Product cited in: Savy, Fitchett, McQuade, Gartside, Morris, Blain, Judge: "Low-level repeated exposure to diazinon and chlorpyrifos decrease anxiety-like behaviour in adult male rats as assessed by marble burying behaviour." in: **Neurotoxicology**, Vol. 50, pp. 149-56, (2015) ([PubMed](#)).



Western Blotting

Image 1. Validation with Western Blot