

Recombinant Mouse Slc44a4 Protein, Myc/DDK-tagged

Cat. No. Slc44a4-5935M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length solute carrier family 44, member 4 (Slc44a4), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Choline transporter that plays a role in the choline-acetylcholine system and is required to the efferent innervation of hair cells in the olivocochlear bundle for the maintenance of physiological function of outer hair cells and the protection of hair cells from acoustic injury. Also described as a thiamine pyrophosphate transporter in colon, may mediate the absorption of microbiota-generated thiamine pyrophosphate and contribute to host thiamine (vitamin B1) homeostasis.
Molecular Mass	78.7 kDa
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 after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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

GENE INFORMATION

Gene Name Slc44a4 solute carrier family 44, member 4 [*Mus musculus* (house mouse)]

Official Symbol Slc44a4

Synonyms Slc44a4; solute carrier family 44, member 4; NG2; NG22; mTPPT1; 2210409B01Rik; choline transporter-like protein 4; thiamine pyrophosphate transporter 1

Gene ID 70129

mRNA Refseq NM_023557

Protein Refseq NP_076046

UniProt ID Q91VA1

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