

Product datasheet for TP510174

Slc44a4 (NM_023557) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse solute carrier family 44, member 4 (Slc44a4), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210174 protein sequence Red =Cloning site Green =Tags(s)

MGRKQNEAHEGNSAKYDPSFRGPIKNRGCTDIICCVLFLIFILGYIIVGLVAWVYGDPRQVLYPRNSTG
AYCGVGDNDKPKYVLYFDILSCAAAINIISIAENGLQCPTPQVCVSSCLAPWAVEVFQFSKTVGEVYGE
RRNFCLPAVSPDMIVEESLQKGLCPFRLLPSTPALGRCFPLPNINFTLPEDLRINNTTVSNGISGLLDSI
NARDVSVKIFEDFAQSWYWILVALGVALALSLLFILLRLVAAPLVLLLVIVGLAVLAYGIYHCWQQYQV
FRDKGASITQLGFTTNFSAYQSVKETWLAALIVLAVLEGILLMLIFLRQIRIRIAIALKEASRAVGQMM
STMFYPLVTFVLLVICIGYWAVTALYLATSGQPQYIYWASNTSTPGCENVPVNMTCDPMAPLNSSCPNLK
CVFKGYSTTGLAQRSLFNLQIYGVGLFWTVNWWLALGQCVLAGAFASFYWAFHKPRDIPTFPLSSAFIR
TLRYHTGSLAFGALISLVQIARVILEYIDHKLKRGSNPVARCIICCFKCLWCLEKFIKFLNRNAYIMI
AIYGKNFCVSAKNAFMLLMRNVLRVWVLDKVTDLFFFGLLVGGVGVLSFFFFSGRIKGLGKDFENPN
LNYWLPIMTSIMGAYVIASGFFSVFGMCVDTLFLCFLEDLERNDGSRPYYMPKALLKILGKKNEAPT
GGKTRKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	78.7 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
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_076046
Locus ID:	70129
UniProt ID:	Q91VA1 , Q3ULA4 , Q3TL93
RefSeq Size:	2345
Cytogenetics:	17 B1
RefSeq ORF:	2124
Synonyms:	2210409B01Rik; mTPPT1; NG22
Summary:	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 (By similarity). 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 (PubMed:24379411).[UniProtKB/Swiss-Prot Function]