

Product datasheet for TP511653

Slc12a5 (NM_020333) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse solute carrier family 12, member 5 (Slc12a5), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR211653 representing NM_020333
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MLNNLTDCEDGDGGANPGDGNPKESSPFINSTDTEKGREYDGRNMALFEEEMDTSPMVSSLLSGLANYTN
LPQGSREHEEAENNEGGKKKPVQAPRMGTFMGVYLPCLQNIQVILFLRLTWVVIAGIMESFCMVFIC
SCTMLTAISMSAIATNGVVPAGGSYIMISRLGPEFGGAVGLCFYLGTTFAGAMYILGTIEILLAYLFP
MAIFKAEDASGEAAAMLNMRVYGTCVLTCMATVVFVGVKYNKFALVFLGCVILSILAIYAGVIKSAFD
PPNFPICLLGNRTLNRHGFDVCAKLAWEGNETVTTRLWGLFCSSRLLNATCDEYFTRNNVTEIQGIPGAA
SGLIKENLWSSYLTKGVIVERRGMPVSVGLADGTPVDMHPYVFSDMTSYFTLLVGIYFSPVTGIMAGSNR
SGDLRDAQSIPTGTILAIATTSAYVISSVFLGACIEGVLRDKFGEAVNGNLVVGTLAWPSPWVIVIG
SFFSTCGAGLQSLTGAPRLLQAISRDGIVPFLQVFGHGKANGIPTWALLTACICEIGILIASLDEVAPI
LSMFFLMCYMFVNLACAVQTLRLTPNWRPRFRYYHWTLFSLGMSLCLALMFICSWYYALVAMLIAGLIYK
YIEYRGAKEWGDGIRGLSLSAARYALLRLEEGPPHTKNWRPQLLVLRVDQDQNVVHPQLLSLTSQLKA
GKGLTIVGSVLEGTFLDNHPQAQRAEESIRRLMEAEKVKGFCQVVISSNLRDGVSHLIQSGGLGLQHNT
VLVGWPRNWRQKEDHQTWRNFIELVRETTAGHLALLVTKNVSMFPGNPERFSEGSIDVWWIVHDGGMML
LPFLLRHHKVVWRKCKMRIFTVAQMDDNSIQMKKDLTFLYHLRITAEVEVEMHESDISAYTYEKTLMV
QRSQILKQMHLTKNEREREIQSITDESRSIRRNKPNANPRLRLNVPEETACDNEEKPEEEVQLIHDQSAP
SCPSSPSPGEEPEGERETDPEVHLTWTKDKSVAEKNKGPSPVSEGIKDFFSMKPEWENLNQSNVRRMH
TAVRLNEVIVNKSRAKLVLLNMPGPPNRNRNGDENYMEFLEVLTEQLDRVMLVRGGGREGVITIYS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

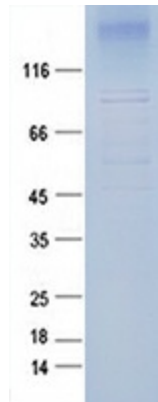
Tag:	C-MYC/DDK
Predicted MW:	124 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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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.
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_065066
Locus ID:	57138
UniProt ID:	Q91V14 , A0A076FSX1
RefSeq Size:	6042
Cytogenetics:	2 H3
RefSeq ORF:	3345
Synonyms:	KCC2; mKIAA1176
Summary:	Mediates electroneutral potassium-chloride cotransport in mature neurons and is required for neuronal Cl(-) homeostasis. As major extruder of intracellular chloride, it establishes the low neuronal Cl(-) levels required for chloride influx after binding of GABA-A and glycine to their receptors, with subsequent hyperpolarization and neuronal inhibition. Involved in the regulation of dendritic spine formation and maturation.[UniProtKB/Swiss-Prot Function]

Product images:



Purified recombinant protein Slc12a5 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.