

Product datasheet for TP511222

Slc4a1 (NM_011403) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse solute carrier family 4 (anion exchanger), member 1 (Slc4a1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR211222 protein sequence Red =Cloning site Green =Tags(s)

MGDMRDHEEVLEIPDRDSEEELENIIGQIAYRDLTIPVTEMQDPEALPTEQTATDYVPSSTSTPHPSGGQ
VYVELQELMMDQRNQELQWVEAAHWIGLEENLREDGVWGRPHLSYLTWWSLLELQKVFSKGTFLGLAET
SLAGVANHLLDCFIYEDQIRPQDREELLRALLKRSHAEDLGNLEGVKPAVLTRSGGASEPLLPHQPSLE
TQLYCGQAEGGSEGPSTSGTLKIPPDSETTLVLVGRANFLEKPVLFVRLKEAVPLEDLVLPPEVGFLLV
LLGPEAPHVDYTLGAAAATLMTERVFRITASMAHNRELLRSLESFLDCSLVLPPTDAPSEKALLNLVP
VQKELLRRRRLPSPAKPDPNLYNTLDLNGGKGGPGDEDDPLRRTGRIFGGIIRDIRRRYPYLSIDTAL
SPQVLAAVIFIYFAALSPAFTFGGLLGEKTRNLMGVSELLISTAVQGILFALLGAQPLLVLGFSGPLLVF
EEAFFSFCESENLEYIVGRAWIGFWLILLVMLVFAFEVSFLVQYISRYTQEIFSFLISLIFIYETFSKLI
KIFQDYPLQQTYPVMMKPKPQGPVNTALFSLVLMAGTFLLAMTLRKFNSTYFPGKLRVIGDFGVPI
SILIMVLVDSFIKGTYTQKLSVPDGLKVSNSARGWVIHPLGLYRLFPTWMMFASVLPALLVFILIFLES
QITTLIVSKPERKMIKSGFHLDLLLVGMGGVAALFGMPWLSATTVRSVTHANALTMGKASGPGAAAQ
IQEVKEQRISGLLVSVLVGLSILMEPILSRIPLAVLFGIFLYMGVTSLSGIQLFDRILLLFKPPKYHPDV
PFVKRVKTWRMHLFTGIQIICLAVLWVKSTPASLALPFVLILTVPLRRLILPLIFRELELQCLDGDDAK
VTFDEENGLDEYDEVMPV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	103.1 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_035533
Locus ID:	20533
UniProt ID:	P04919 , Q53ZN9 , Q3TZ29
RefSeq Size:	4584
Cytogenetics:	11 D
RefSeq ORF:	2790
Synonyms:	Ae1; CD233; Empb3; I11Jus51
Summary:	Functions both as a transporter that mediates electroneutral anion exchange across the cell membrane and as a structural protein. Major integral membrane glycoprotein of the erythrocyte membrane; required for normal flexibility and stability of the erythrocyte membrane and for normal erythrocyte shape via the interactions of its cytoplasmic domain with cytoskeletal proteins, glycolytic enzymes, and hemoglobin. Functions as a transporter that mediates the 1:1 exchange of inorganic anions across the erythrocyte membrane. Mediates chloride-bicarbonate exchange in the kidney, and is required for normal acidification of the urine.[UniProtKB/Swiss-Prot Function]

Product images:



Purified recombinant protein Slc4a1 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.