

Recombinant Mouse Slc4a1 Protein, Myc/DDK-tagged

Cat. No. Slc4a1-5936M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length solute carrier family 4 (anion exchanger), member 1 (Slc4a1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	103.1 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.

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Concentration >50 µg/mL as determined by microplate BCA method

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

GENE INFORMATION

Gene Name [Slc4a1 solute carrier family 4 \(anion exchanger\), member 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Slc4a1](#)

Synonyms SLC4A1; solute carrier family 4 (anion exchanger), member 1; band 3 anion transport protein; AE 1; MEB3; anion exchanger 1; anion exchange protein 1; solute carrier family 4 member 1; erythrocyte membrane protein band 3; Ae1; CD233; Empb3; l11Jus51

Gene ID [20533](#)

mRNA Refseq [NM_011403](#)

Protein Refseq [NP_035533](#)

UniProt ID [P04919](#)

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