

Recombinant Human SLC4A10 Protein (E2-S1118), 8×His-MBP, Flag tagged

Cat. No. SLC4A10-1209H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human 8His-MBP-TEV-(GG)-SLC4A10(E2-S1118)-Flag Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	E2-S1118
Description	Sodium/bicarbonate cotransporter which plays an important role in regulating intracellular pH. Has been shown to act as a sodium/bicarbonate cotransporter in exchange for intracellular chloride. Has also been shown to act as a sodium/bicarbonate cotransporter which does not couple net influx of bicarbonate to net efflux of chloride, with the observed chloride efflux being due to chloride self-exchange. Controls neuronal pH and may contribute to the secretion of cerebrospinal fluid. Reduces the excitability of CA1 pyramidal neurons and modulates short-term synaptic plasticity. Required in retinal cells to maintain normal pH which is necessary for normal vision. In the kidney, likely to mediate bicarbonate reclamation in the apical membrane of the proximal tubules.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein

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Purity	60%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Formulation:
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	SLC4A10 solute carrier family 4 member 10 [Homo sapiens (human)]
Official Symbol	SLC4A10
Synonyms	SLC4A10; solute carrier family 4 member 10; NCBE; NBCn2; sodium-driven chloride bicarbonate exchanger; solute carrier family 4, sodium bicarbonate cotransporter-like, member 10; solute carrier family 4, sodium bicarbonate transporter, member 10
Gene ID	57282
mRNA Refseq	NM_022058
Protein Refseq	NP_071341
MIM	605556
UniProt ID	Q6U841

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