

Recombinant Human SLC4A4

Catalog No: #GP10765

Package Size: #GP10765-1 100ug

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Description

Product Name	Recombinant Human SLC4A4
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 2-300 amino acids of human solute carrier family 4, sodium bicarbonate cotransporter, member 4
Target Name	solute carrier family 4, sodium bicarbonate cotransporter, member 4
Other Names	KNBC; NBC1; NBC2; pNBC; HNBC1; hhNMC; SLC4A5; NBCe1-A
Accession No.	Swissprot:Q9Y6R1Gene Accession:BC030977
Uniprot	Q9Y6R1
GenelD	8671;
Storage	-20~-80°C, pH 7.6 PBS

Background

This gene encodes a sodium bicarbonate cotransporter (NBC) involved in the regulation of bicarbonate secretion and absorption and intracellular pH. Mutations in this gene are associated with proximal renal tubular acidosis. Multiple transcript variants encoding different isoforms have been found for this gene. Sodium bicarbonate cotransporters (NBCs) mediate the coupled movement of sodium and bicarbonate ions across the plasma membrane of many cells. This is an electrogenic process with an apparent stoichiometry of 3 bicarbonate ions per sodium ion. Sodium bicarbonate cotransport is involved in bicarbonate secretion/absorption and intracellular pH regulation. Romero and Boron (1999) reviewed NBCs. Soleimani and Burnham (2000) reviewed NBCs and their regulation in physiologic and pathophysiologic states.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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