

SLC4A4 抗原（重组蛋白）

中文名称： SLC4A4 抗原（重组蛋白）

英文名称： SLC4A4 Antigen (Recombinant Protein)

别名： KNBC; NBC1; NBC2; pNBC; HNBC1; hhNMC; SLC4A5; NBCe1-A

储存： 冷冻（-20℃）

相关类别： 抗原

概述

Fusion protein corresponding to a region derived from 2-300 amino acids of human SLC4A4

技术规格

Full name:	solute carrier family 4, sodium bicarbonate cotransporter, member 4
Synonyms:	KNBC; NBC1; NBC2; pNBC; HNBC1; hhNMC; SLC4A5; NBCe1-A
Swissprot:	Q9Y6R1
Gene Accession:	BC030977
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	This gene encodes a sodium bicarbonate cotransporter (NBC) involved in the regulation of bicarbonate secretion and absorption and in 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 pathophysiological states.