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32-4860: Recombinant Human Solute Carrier Family 4, Sodium Bicarbonate Cotransporter, Member 4(Discontinued)

Alternative Name :	KNBC,NBC1,NBC2,Pnbc,HNBC1,hhNMC,SLC4A5,DKFZp781H1314,SLC4A4,Electrogenic sodium bicarbonate cotransporter 1,Sodium bicarbonate cotransporter,Na(+)/HCO3(-) cotransporter,Solute carrier family 4 member 4,kNBC1,NBC,NBCE1.

Description

Source : Escherichia Coli. SLC4A4 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 460 amino acids (1-424 a.a.) and having a molecular mass of 51.5 kDa.SLC4A4 is fused to 37 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques. SLC4A4 takes part in the regulation of bicarbonate secretion and absorption and intracellular pH. Mutations in SLC4A4 gene are associated with proximal renal tubular acidosis. SLC4A4 is involved in the regulation of intracellular pH in several cell types. SLC4A4 Isoform 2 is particularly expressed in kidney at the level of proximal tubules.Amino acid subsitution in SLC4A4 results in an increase of chloride transport.NBC1 takes part in proximal renal tubular acidosis and ocular abnormalities.

Product Info

Amount :	20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The SLC4A4 protein solution contains 20mM Tris-HCl, pH-7.5, 0.5mM DTT, 0.1mM PMSF and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMSTE NVEGKPSNLG ERGRARSSTF LRVVQPMFNH SIFTSAVSPA AERIRFILGEEDDSPAPPQL FTELDELLAV DGQEMEWKET ARWIKFEEKV EQGGERWSKP HVATLSLHSL FELRTCMEKG SIMLDREASS LPQLVEMIVDHQIETGLLKP ELKDKVTYTL LRKHRHQTKK SNLRSLADIG KTVSSASRMF TNPDNGSPAM THRNLTSSSL NDISDKPEKD QLKNKFMKKLPRDAEASNVL VGEVDFLDTP FIAFVRLQQA VMLGALTEVP VPTRFLFILL GPKGKAKSYH EIGRAIATLM SDEVFHDIAY KAKDRHDLIAGIDEFLDEVI VLPPGEWDPA IRIEPPKSLP SSDKRKNMYS GGENVQMNGD TPHDGGHGGG GHGDCEELQR TGRFCGGLIK DIKRKAPFFASDFYDALNIQ.