

## Solute Carrier Family 4, Sodium Bicarbonate Cotransporter, Member 4

<b>Item Number</b>	rAP-4837
<b>Synonyms</b>	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.
<b>Description</b>	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.
<b>Uniprot Accession Number</b>	Q9Y6R1
<b>Amino Acid Sequence</b>	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMSSTE NVEGKPSNLG ERGRARSSTF LRVVQPMFNH SIFTSVSPA AERIRFILGEEDDSPAPPQL FTELDELLAV DGQEMEWKET ARWIKFEEKV EQGGERWSKP HVATLSLHSL FELRTCMEKG SIMLDREASS LPQLVEMIVDHQIETGLLKP ELKDKVITYTL LRKHRHQTKK SNLRLADIG KTVSSASRMF TNPNGSPAM THRNLTSSSL NDISDKPEKD QLKNK- FMKKLPRDAEASNVL VGEVDFLDTP FIAFVRLQQA VMLGALTEVP VPTRFLFILL GPKGKAKSYH EIGRAIATLM SDEVFHDIAK KAKDRHDLIAGIDEFLDEVI VLPPGEWDPA IRIEPPKSLP SSDKRKNMYS
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile filtered colorless solution. 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.
<b>Formulation and Purity</b>	The SLC4A4 protein solution contains 20mM Tris-HCl, pH-7.5, 0.5mM DTT, 0.1mM PMSF and 10% glycerol. Greater than 90.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**