

## HUMAN SLC4A7 FULL LENGTH PROTEIN

**Cat.#:** 11057

**Product Name:** Human SLC4A7 Full Length Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** NBC2; NBC3; NBCN1; SBC2; SLC4A6

**Target:** SLC4A7

**UNIPROT ID:** Q9Y6M7

**Description:** Human SLC4A7 full length protein-synthetic nanodisc

**Background:** This locus encodes a sodium bicarbonate cotransporter. The encoded transmembrane protein appears to transport sodium and bicarbonate ions in a 1:1 ratio, and is thus considered an electroneutral cotransporter. The encoded protein likely plays a critical role in regulation of intracellular pH involved in visual and auditory sensory transmission. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Apr 2012]

**Species/Host:** HEK293

**Molecular Weight:** The human full length SLC4A7 protein has a MW of 136.5 kDa

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.