

## HUMAN SLC4A7 PROTEIN, HIS TAG

**Cat.#:** 11472

**Product Name:** Human SLC4A7 Protein

**Size:** 10 µg, 50 µg and 100 µg

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

**Target:** SLC4A7

**UNIPROT ID:** Q9Y6M7

**Description:** Recombinant human SLC4A7 protein with C-terminal 6xHis tag

**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 protein has a predicted molecular mass of 68.6 kDa after removal of the signal peptide. The apparent molecular mass of SLC4A7-His is approximately 100-130 kDa due to glycosylation.

**Molecular Characterization:** SLC4A7(Met1-Cys608) 6×His tag

**Purity:** The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

**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.

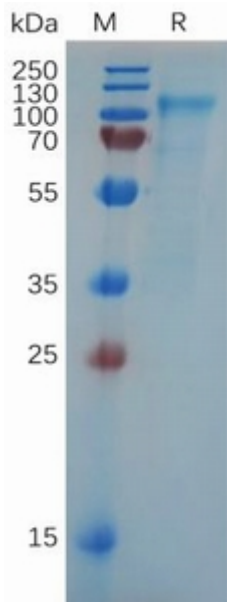


Figure 1. Human SLC4A7 Protein, His Tag on SDS-PAGE under reducing condition.