PRODUCT INFORMATION

Target	SLC4A7
Synonyms	NBC2;NBC3;NBCN1;SBC2;SLC4A6
Description	Recombinant human SLC4A7 protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	Q9Y6M7
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	SLC4A7(Met1-Cys608) 6×His tag
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.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
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.
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]
Usage	Research use only
Conjugate	Unconjugated

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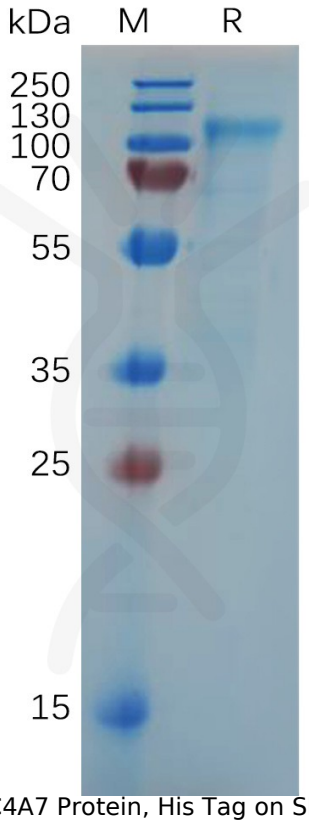


Figure 1. Human SLC4A7 Protein, His Tag on SDS-PAGE under reducing condition.

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