

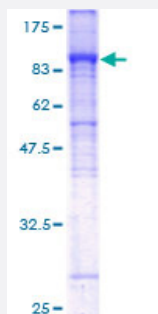
Full-Length

SLC4A4 (Human) Recombinant Protein (P01)

Catalog # H00008671-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SLC4A4 full-length ORF (AAH30977, 1 a.a. - 646 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSTENVEGKPSNLGERGRARSSTFLRVVQPMFNHSIFTSVSPAAERIRFILGEEDDSPAPPQLF
TELDELLAVDGGQEMEWKETARWIKFEEKVEQGGERWSKPHVATLSLHSLFELRTCMEKGSIMLD
REASSLPQLVEMVDHQIETGLLKPELKDKVITYLLRKHRHQTKKSNLRLADIGKTVSSASRMFTN
PDNGSPAMTHRNLTSSSLNDISKPEKDQLKNKFMKKLPRDAEASNVLVGEVDFLDTPFIQFVRL
QQAVMLGALTEVPVPTRFLFILLGPKGKAKSYHEIGRAIATLMSDEVFHDIAKAKDRHDLIAGIDF
LDEVIVLPPGEWDPAIRIEPPKSLPSSDKRKNMYSGGENVQMNGDTPHDGGHGGGGHGDCEEL
QRTGRFCGGLIKDIKRKAPFFASDFYDALNQALSAILFYLATVTNATFGGLLGDATDNMQGVLESF
LGTAVSGAIFCLFAGQPLTILSSTGPVLVFERLLFNFSKDNDFDYLEFRLWIGLWSAFLCLILVATDA
SFLVQYFTRFTEEGFSSLISFIFYDAFKKMIKLADYYPINSNFKVGYNTLFSCTCVPPDPGEGITLCV
YARFVFGGRCRLHACKFSTCCHGPQELVLFSLKNSATEFDVSLPEVF

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

96.8

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SLC4A4

Entrez GeneID	8671
GeneBank Accession#	BC030977
Protein Accession#	AAH30977
Gene Name	SLC4A4
Gene Alias	DKFZp781H1314, HNBC1, KNBC, NBC1, NBC2, SLC4A5, hhNMC, pNBC
Gene Description	solute carrier family 4, sodium bicarbonate cotransporter, member 4
Omim ID	603345 604278
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a sodium bicarbonate cotransporter (NBC) involved in the regulation of bicarbonate secretion and absorption and intracellular pH. Mutations in this gene are associated with proximal renal tubular acidosis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	sodium bicarbonate cotransporter 1 (sodium bicarbonate cotransporter, kidney; sodium bicarbonate cotransporter, pancreas)solute carrier family 4, sodium bicarbonate cotransporter, member 5

Disease

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- [Edema](#)