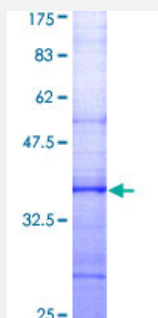


SLC9A1 (Human) Recombinant Protein (Q01)

Catalog # H00006548-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SLC9A1 partial ORF (AAH12121, 31 a.a. - 130 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	VLRSHGLQLSPTASTIRSSEPPEPRERSIGDVTTAPPEVTPESRPVNHSVTDHGMKPRKAFPVLGIDY THVRTPFELSLWILLACLMKIGFHVPTISSVP
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.41
Interspecies Antigen Sequence	Mouse (81); Rat (79)
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 — SLC9A1

Entrez GeneID [6548](#)

GeneBank Accession# [BC012121](#)

Protein Accession# [AAH12121](#)

Gene Name SLC9A1

Gene Alias APNH, FLJ42224, NHE1

Gene Description solute carrier family 9 (sodium/hydrogen exchanger), member 1

Omim ID [107310](#)

Gene Ontology [Hyperlink](#)

Gene Summary The Na⁺/H⁺ antiporter (SLC9A1) is a ubiquitous membrane-bound enzyme involved in pH regulation of vertebrate cells. It is specifically inhibited by the diuretic drug amiloride and activated by a variety of signals including growth factors, mitogens, neurotransmitters, tumor promoters, and others (Mattei et al., 1988 [PubMed 2846238]).[supplied by OMIM]

Other Designations Na⁺/H⁺ antiporter, amiloride-sensitive|Na-Li countertransporter|OTTHUMP00000004468|sodium/hydrogen exchanger 1|solute carrier family 9 (sodium/hydrogen exchanger), isoform 1 (antiporter, Na⁺/H⁺, amiloride sensitive)|solute carrier family 9 (sodium/hydroge

Pathway

- [Cardiac muscle contraction](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Cerebrovascular Accident](#)
- [Genetic Predisposition to Disease](#)
- [Seizures](#)