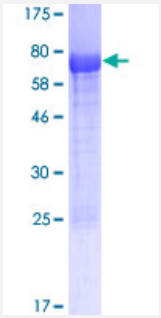
Full-Length

SLC9A3R1 (Human) Recombinant Protein (P01)

Catalog # H00009368-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SLC9A3R1 full-length ORF (NP_004243.1, 1 a.a. - 358 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSADAAAGAPLPRLCCLEKGPNGYGFHLHGEKGKLGQYIRLVEPGSPAEKAGLLAGDRLVEVNG ENVEKETHQQVVSRIRAALNAVRLLVVDPETDEQLQKLGVQVREELLRAQEAPGQAEPPAAAEV QGAGNENEPREADKSHPEQRELRPRLCTMKKGPSGYGFNLHSDKSKPGQFIRSVDPDSPAEAS GLRAQDRIVEVNGVCMEGKQHGDVVSAIRAGGDETKLLVVDRETDEFFKKCRVIPSQEHLNGPL PVPFTNGEIQKENSREALAEAALESPRPALVRSASSDTSEELNSQDSPPKQDSTAPSSTSSSDPI LDFNISLAMAKERAHQKRSSKRAPQMDWSKKNELFSNL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	65.3
Interspecies Antigen Sequence	Mouse (86); Rat (87)
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 — SLC9A3R1

Entrez GeneID	9368
GeneBank Accession#	NM_004252.1
Protein Accession#	NP_004243.1
Gene Name	SLC9A3R1
Gene Alias	EBP50, NHERF, NHERF1, NPHLOP2
Gene Description	solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 1
Omim ID	604990
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a sodium/hydrogen exchanger regulatory cofactor. The protein interacts with and regulates various proteins including the cystic fibrosis transmembrane conductance regulator and G-protein coupled receptors such as the beta2-adrenergic receptor and the parathyroid hormone 1 receptor. The protein also interacts with proteins that function as linkers between integral membrane and cytoskeletal proteins. The protein localizes to actin-rich structures including membrane ruffles, microvilli, and filopodia. Mutations in this gene result in hypophosphatemic nephrolithiasis/osteoporosis type 2, and loss of heterozygosity of this gene is implicated in breast cancer
Other Designations	sodium/hydrogen exchanger regulatory factor 1|solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulatory factor 1

Disease

- Asthma
- Crohn Disease
- Diabetes Mellitus
- Genetic Predisposition to Disease
- Immune System Diseases
- Inflammation
- Psoriasis