

Recombinant Human SLC9A3R1 Protein, Full Length, C-Myc/DDK tagged

Cat. No. SLC9A3R1-13HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Homo sapiens solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 1 (SLC9A3R1) with C-Myc/DDK tag was expressed in HEK293T.
Species	Human
Source	HEK293
ProteinLength	Full Length
Description	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.
Bio-activity	Cell treatment
Molecular Mass	38.7 kDa

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	> 0.05 µg/µL as determined by microplate BCA method
Storage Buffer	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

GENE INFORMATION

Gene Name	SLC9A3R1 solute carrier family 9, subfamily A (NHE3, cation proton antiporter 3), member 3 regulator 1 [Homo sapiens (human)]
Official Symbol	SLC9A3R1
Synonyms	SLC9A3R1; solute carrier family 9, subfamily A (NHE3, cation proton antiporter 3), member 3 regulator 1; solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulator 1, solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulatory factor 1, solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 1; Na(+)/H(+) exchange regulatory cofactor NHE-RF1; EBP50; NHERF; Na+/H+ exchange regulatory co-factor; regulatory cofactor of Na(+)/H(+) exchanger; ezrin-radixin-moesin binding phosphoprotein-50; ezrin-radixin-moesin-binding phosphoprotein 50; solute carrier family 9 isoform A3 regulatory factor 1; solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulatory factor 1; NHERF1; NHERF-1; NPHLOP2

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Gene ID	9368
mRNA Refseq	NM_004252
Protein Refseq	NP_004243
MIM	604990
UniProt ID	O14745
SDS-PAGE	

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