

Recombinant Full Length Human SLC9A3R1 Protein

Cat. No. SLC9A3R1-482HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human EBP50 with a proprietary tag: predicted molecular weight 65.90 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	358 amino acids
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.
Form	Liquid
Molecular Mass	65.900kDa inclusive of tags
AA Sequence	MSADAAAGAPLPRCCLEKGPNGYGFHLHGEKGKLGQYIRLVEPGSPA EKAGLLAG DRLVEVNGENVEKETHQQVVSRI RAALNAVRLLVDPETDEQLQKLG VQVREELLR

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AQEAPGQAEPPAAAEVQGAGNENEPREADKSHPEQRELPRRLCTMKKGPSGYGF
NLHSDKSKPGQFIRSVDPDSPAASGLRAQDRIVEVNGVCMEGKQHGDVVS AIRAG
GDETKLLVVDRETDEFFKKCRVIPSQEHLNGPL

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name [SLC9A3R1 solute carrier family 9 \(sodium/hydrogen exchanger\), member 3 regulator 1 \[Homo sapiens \]](#)

Official Symbol [SLC9A3R1](#)

Synonyms SLC9A3R1; solute carrier family 9 (sodium/hydrogen exchanger), 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

Gene ID [9368](#)

mRNA Refseq [NM_004252](#)

Protein Refseq [NP_004243](#)

MIM [604990](#)

UniProt ID [O14745](#)

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