

# Recombinant Human Solute Carrier Family 9 (Sodium/Hydrogen Exchanger), Member 3 Regulator 1, His-tagged

**Cat. No.** SLC9A3R1-2912H    **Lot. No.** (See product label)

## SPECIFICATION

|                                 |                                                                                                                                                                                                                                                          |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>         | Recombinant Human SLC9A3R1 protein was expressed in E.coli with His-tag at the N-terminus. The molecular weight is 38737 Da.                                                                                                                             |
| <b>Species</b>                  | Human                                                                                                                                                                                                                                                    |
| <b>Source</b>                   | E.coli                                                                                                                                                                                                                                                   |
| <b>Description</b>              | Sodium-hydrogen antiporter 3 regulator 1 is a regulator of Sodium-hydrogen antiporter 3. It is encoded by the gene SLC9A3R1. It is also known as ERM Binding Protein 50 (EBP50) or Na <sup>+</sup> /H <sup>+</sup> Exchanger Regulatory Factor (NHERF1). |
| <b>Sequences of amino acids</b> | 1-358 aa                                                                                                                                                                                                                                                 |
| <b>Formulation</b>              | 10 mM Tris. pH 8.0. 0.002% NaN <sub>3</sub> . 3mM NaCl. 2.5mM Imidazole.                                                                                                                                                                                 |
| <b>Purity</b>                   | 95%                                                                                                                                                                                                                                                      |

## GENE INFORMATION

|                  |                                                                                                     |
|------------------|-----------------------------------------------------------------------------------------------------|
| <b>Gene Name</b> | SLC9A3R1 solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 1 [ Homo sapiens ] |
| <b>Synonyms</b>  | EBP50; NHERF; NHERF1; NPHLOP2; SLC9A3R1; Na(+)/H(+) exchange regulatory                             |

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cofactor; NHERF-1; Na<sup>+</sup>/H<sup>+</sup> exchange regulatory co-factor; regulatory cofactor of Na<sup>(+)</sup>/H<sup>(+)</sup> exchanger; sodium-hydrogen exchanger regulatory factor 1; sodium/hydrogen exchanger regulatory factor 1; 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

**Gene ID** 9368

**mRNA Refseq** NM\_004252

**Protein Refseq** NP\_004243

**MIM** 604990

**UniProt ID** O14745

**Chromosome Location** 17q25.1

**Function** PDZ domain binding; beta-2 adrenergic receptor binding; protein binding

**PDBrendering based on 1g9o.**

