

Recombinant Mouse Slc9a3r1 Protein, Myc/DDK-tagged

Cat. No. Slc9a3r1-5941M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 1 (Slc9a3r1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Scaffold protein that connects plasma membrane proteins with members of the ezrin/moesin/radixin family and thereby helps to link them to the actin cytoskeleton and to regulate their surface expression. Necessary for recycling of internalized ADRB2. Was first known to play a role in the regulation of the activity and subcellular location of SLC9A3. Necessary for cAMP-mediated phosphorylation and inhibition of SLC9A3. May enhance Wnt signaling. May participate in HTR4 targeting to microvilli. Involved in the regulation of phosphate reabsorption in the renal proximal tubules. Involved in sperm capacitation. May participate in the regulation of the chloride and bicarbonate homeostasis in spermatozoa.
Molecular Mass	38.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
GENE INFORMATION	
Gene Name	Slc9a3r1 solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 1 [Mus musculus (house mouse)]
Official Symbol	Slc9a3r1
Synonyms	SLC9A3R1; solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 1; Na(+)/H(+) exchange regulatory cofactor NHE-RF1; EBP50; regulatory cofactor of Na(+)/H(+) exchanger; sodium-hydrogen exchanger regulatory factor 1; ezrin-radixin-moesin-binding phosphoprotein 50; solute carrier family 9 isoform A3 regulatory factor 1; solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulator 1; EBP-50; NHE-RF; NHERF1; NHERF-1; MGC95776
Gene ID	26941
mRNA Refseq	NM_012030
Protein Refseq	NP_036160
UniProt ID	P70441