

## Product datasheet for **RC201653L4V**

### **EBP50 (SLC9A3R1) (NM\_004252) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	EBP50 (SLC9A3R1) (NM_004252) Human Tagged ORF Clone Lentiviral Particle
Symbol:	EBP50
Synonyms:	EBP50; NHERF; NHERF-1; NHERF1; NPHLOP2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_004252
ORF Size:	1074 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201653).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_004252.1</a>
RefSeq Size:	2032 bp
RefSeq ORF:	1077 bp
Locus ID:	9368
UniProt ID:	<a href="#">O14745</a>
Cytogenetics:	17q25.1
Domains:	PDZ
Protein Families:	Druggable Genome



[View online »](#)

MW: 38.9 kDa

**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.[provided by RefSeq, Sep 2009]