

Product datasheet for **TP301653**

EBP50 (SLC9A3R1) (NM_004252) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Purified recombinant protein of Homo sapiens solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 1 (SLC9A3R1), 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC201653 protein sequence
Red=Cloning site **Green**=Tags(s)

MSADAAAGAPLPRLLCCLEKGPNGYGFHLHGEKGLGQYIRLVEPGSPAEEKAGLLAGDRLVEVNGENVEKE
 THQQVVSIRAAALNAVRLLVDPETDEQLQKLGQVQREELLRAQEAPGQAEPAAAAEVQGAGNENEPREA
 DKSHPEQRELRPRLCTMKKGPSGYGFNLHSDKSKPGQFIRSVDPDSPAASGLRAQDRIVEVNGVCMEGK
 QHGDVVS AIRAGGDET KLLVVDRETDEFFK KCRVIPSQEHLNGLPVPFTNGEI QKENSREALAEAALES
 PRPALVRSASSDTSEELNSQDSPPKQDSTAPSSTSSSDPILDFNISLAMAKERAHQKRSSKRAPQMDWSK
 KNELFSNL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 38.7 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Bioactivity: Cell treatment (PMID: [26142394](#))

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



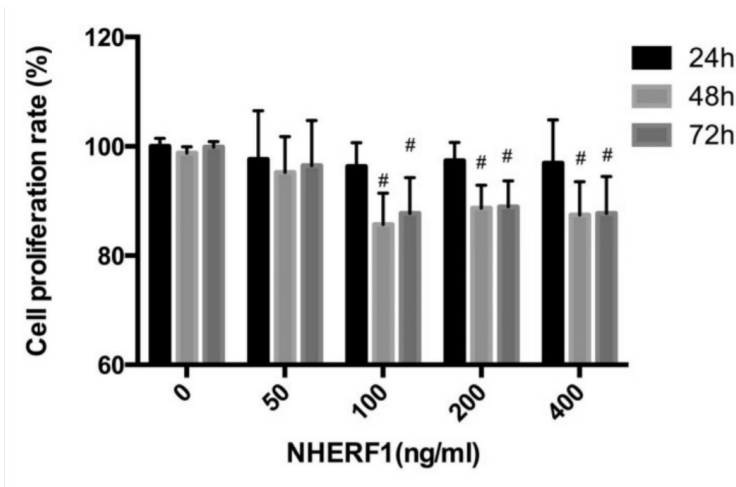
[View online »](#)

RefSeq: [NP_004243](#)
Locus ID: 9368
UniProt ID: [O14745](#)
RefSeq Size: 2032
Cytogenetics: 17q25.1
RefSeq ORF: 1074
Synonyms: EBP50; NHERF; NHERF-1; NHERF1; NPHLOP2

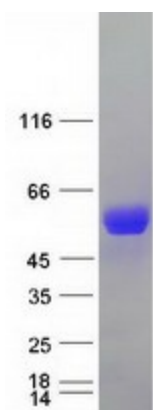
Summary: This gene encodes a sodium/hydrogen exchanger regulatory cofactor. The protein interacts with and regulates various proteins including the cystic fibrosis transmembrane conductance regulator and G-protein coupled receptors such as the beta2-adrenergic receptor and the parathyroid hormone 1 receptor. 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]

Protein Families: Druggable Genome

Product images:



The effect of recombinant human Na⁺/H⁺ exchanger regulatory factor 1 (NHERF1) (OriGene TP301653) on the proliferation of the human autosomal-dominant polycystic kidney disease cyst-lining epithelial cell line WT9-12. # P < 0.05 vs 0 ng/ml NHERF1. Figure cited from J Int Med Res, PMID: 26142394



Coomassie blue staining of purified SLC9A3R1 protein (Cat# TP301653). The protein was produced from HEK293T cells transfected with SLC9A3R1 cDNA clone (Cat# [RC201653]) using MegaTran 2.0 (Cat# [TT210002]).