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Product datasheet for TP301653L

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), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201653 protein sequence Red=Cloning site Green=Tags(s) MSADAAAGAPLPRLCCLEKGPNGYGFHLHGEKGKLGQYIRLVEPGSPAEKAGLLAGDRLVEVNGENVEKE THQQVVSRIRAALNAVRLLVVDPETDEQLQKLGVQVREELLRAQEAPGQAEPPAAAEVQGAGNENEPREA DKSHPEQRELRPRLCTMKKGPSGYGFNLHSDKSKPGQFIRSVDPDSPAEASGLRAQDRIVEVNGVCMEGK QHGDVVSAIRAGGDETKLLVVDRETDEFFKKCRVIPSQEHLNGPLPVPFTNGEIQKENSREALAEAALES 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.

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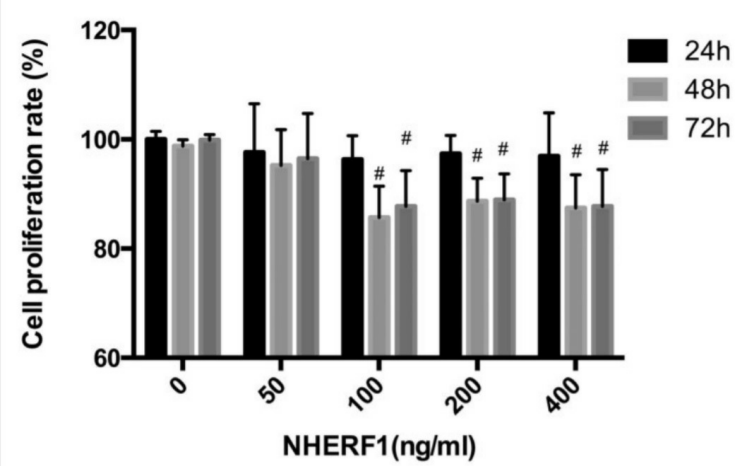
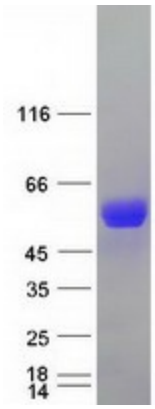
RefSeq:	NP_004243
Locus ID:	9368
UniProt ID:	O14745
RefSeq Size:	2032
Cytogenetics:	17q25.1
RefSeq ORF:	1074
Synonyms:	EBP50; NHERF; NHERF-1; NHERF1; NPHLOP2
Summary:	This gene encodes a sodium/hydrogen exchanger regulatory cofactor. The protein interacts with and regulates various proteins including 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]).