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Product datasheet for PH301653

EBP50 (SLC9A3R1) (NM_004252) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SLC9A3R1 MS Standard C13 and N15-labeled recombinant protein (NP_004243)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201653
Predicted MW:	38.9 kDa
Protein Sequence:	>RC201653 protein sequence Red=Cloning site Green=Tags(s) MSADAAAGAPLPRLCCLEKGPNGYGFHLHGEKGKLGQYIRLVEPGSPAEKAGLLAGDRLVEVNGENVEKE THQQVVSRIRAALNAVRLLVVDPETDEQLQKLGVQVREELLRAQEAPGQAEPPAAAEVQGAGNENEPREA DKSHPEQRELRPRLCTMKKGPSGYGFNLHSDKSKPGQFIRSVDPDSPAEASGLRAQDRIVEVNGVCMEGK QHGDVVSAIRAGGDETKLLVVDRETDEFFKKCRVIPSQEHLNGPLPVPFTNGEIQKENSREALAEAALES PRPALVRSASSDTSEELNSQDSPPKQDSTAPSSTSSSDPILDFNISLAMAKERAHQKRSSKRAPQMDWSK KNELFSNL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_004243
RefSeq Size:	2032
RefSeq ORF:	1074
Synonyms:	EBP50; NHERF; NHERF-1; NHERF1; NPHLOP2
Locus ID:	9368

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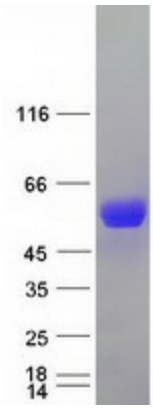
UniProt ID: O14745

Cytogenetics: 17q25.1

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:



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]).