

Human NHERF1 Knockdown Cell Lysate

Cat. No. NHERF1-377HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated NHERF1 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	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.
Form	Cell-Tissue Lysis buffer
Molecular Mass	39 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg NHERF1 KD HeLa cell lysate
Protein Families	Druggable Genome
Lysate QC	RT-qPCR; Western Blotting (WB)
GENE INFORMATION	
Gene Name	NHERF1 NHERF family PDZ scaffold protein 1 [Homo sapiens (human)]
Official Symbol	NHERF1
Synonyms	NHERF1; NHERF family PDZ scaffold protein 1; EBP50; NHERF; NHE-RF; NHERF-1; NPHLOP2; SLC9A3R1; Na(+)/H(+) exchange regulatory cofactor NHE-RF1; Na(+)/H(+) exchange regulatory cofactor 1; Na+/H+ exchange regulatory co-factor; SLC9A3 regulator 1; ezrin-radixin-moesin binding phosphoprotein-50; regulatory cofactor of Na(+)/H(+) exchanger; solute carrier family 9, subfamily A (NHE3, cation proton antiporter 3), member 3 regulator 1
Gene ID	9368
mRNA Refseq	NM_004252
Protein Refseq	NP_004243

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MIM	604990
-----	--------

UniProt ID	O14745
------------	--------

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA