

Recombinant Human NHE1 protein, His-tagged

Cat. No. NHE1-3792H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NHE1 protein(1-108 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-108 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	MVLRSGICGLSPHRIFPSLLVVVALVGLLPVLRSHGLQLSPTASTIRSSEPPRERSIGD VTTAPPEVTPESRPVNHSVTDHGMKPRKAFPVLGIDYTHVRTPF EISLW
Purity	95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage. Reconstitution with 200 μl 50% glycerol solution is recommended for longer term

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storage.

GENE INFORMATION

Gene Name	SLC9A1 solute carrier family 9, subfamily A (NHE1, cation proton antiporter 1), member 1 [Homo sapiens (human)]
Official Symbol	NHE1
Synonyms	SLC9A1; APNH; NHE1; NHE-1; solute carrier family 9, subfamily A (NHE1, cation proton antiporter 1), member 1; sodium/hydrogen exchanger 1; Na(+)/H(+) exchanger 1; Na-Li countertransporter; solute carrier family 9 (sodium/hydrogen exchanger), member 1 (antiporter, Na+/H+, amiloride sensitive); solute carrier family 9 (sodium/hydrogen exchanger), isoform 1 (antiporter, Na+/H+, amiloride sensitive)
Gene ID	6548
mRNA Refseq	NM_003047
Protein Refseq	NP_003038
MIM	107310
UniProt ID	P19634

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