

Recombinant Human NPHS1 protein, His-tagged

Cat. No. NPHS1-3581H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human NPHS1 protein(89-374 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	89-374 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	PARGFHLHIEACDLSDDAEYECQVGRSEMGPELVSPRVILSILVPPKLLLLTPEAGT MVTWVAGQEYVVNCVSGDAKPAPDITILSGQTISDISANVNEGSQQKLFTEATAR VTPRSSDNRQLLVCEASSPALEAPIKASFTVNVLFPPGPPVIEWWPLDEGHVRAGQS LELPCVARGGNPLATLQWLKNGQPVSTAWGTEHTQAVARSVLVMTVRPEDHGAQL SCEAHNSVSAGTQEHGITLQVTFPPSAILLGSASQTENKNVTLSCVSKSSRPRVLLR W
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

 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

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 storage.

GENE INFORMATION

Gene Name

[NPHS1 nephrosis 1, congenital, Finnish type \(nephrin\) \[Homo sapiens \]](#)

Official Symbol

[NPHS1](#)

Synonyms

NPHS1; nephrosis 1, congenital, Finnish type (nephrin); nephrin; CNF; NPHN; renal glomerulus-specific cell adhesion receptor;

Gene ID

[4868](#)

mRNA Refseq

[NM_004646](#)

Protein Refseq

[NP_004637](#)

MIM

[602716](#)

UniProt ID

[O60500](#)

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