

Recombinant Full Length Human NPHS2 Protein, GST-tagged

Cat. No. NPHS2-6624HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human NPHS2 full-length ORF (AAH29141.1, 1 a.a. - 315 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	315 amino acids
Description	This gene encodes the glomerular protein podocin which plays a role in the regulation of glomerular permeability, and acts as a linker between the plasma membrane and the cytoskeleton. Defects in this gene are the cause of autosomal recessive steroid-resistant nephrotic syndrome (SRN). SRN is characterized by onset between three months and five years, resistance to steroid therapy and rapid progression to end-stage renal disease. An alternative splice variant has been described but its full length sequence has not been determined.
Molecular Mass	60.8 kDa
AA Sequence	MERRARSSSRRESRGRGGRTPHKENKRAKAERSGGGRGRQEAGPEPSGSGRAGT PGEPRAPAATVVDVDEVIRGSGEETEVVALLESERPEEGTKSSGLGACEWLLVLIS LLFIIMTFPFSIWFCVKVQYERYVIFRLGHLLPGRAKGPGFLFFFLPCLDTYHKVDLRL QTLEIPFHEVALDSVTCIWGIKVERIEIKDVRLPAGLQHSLAVEAEAQRQAKVRMIAAE AEKAASESLRMAAEILSGTPAAVQLRYLHTLQSLSTEKPSTVVLPLPFDLLNCLSSPS NRTQGSLPFPSPSKPVEPLNPKKKDSPML

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	NPHS2 podocin [Homo sapiens]
Official Symbol	NPHS2
Synonyms	NPHS2; podocin; PDCN; SRN1;
Gene ID	50521

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