

NPHS2 (Human) Recombinant Protein

Catalog # P9405

Size 2 x 10 ug

Specification

Product Description	Human NPHS2 (Q9NP85, 125 a.a. - 383 a.a.) partial recombinant protein with His tag at N-terminus expressed in <i>Escherichia coli</i> .
Sequence	MKHHHHHHASVKVVQEYERVIIIFRLGHLLPGRAKGPGGLFFFLPCLDTHKVDLRLQTLEIPFHEMT KDMFIMEIDAICYRMENASLLSSLAHVSKAVQFLVQTTMKRLLAHRSLTEILLERKSIAQDAKVAL DSVTCIWGIKVERIEIKDVRLPAGLQHS LAVEAEAQRQAKVRMIAAEAEKAASESLRMAAEILSGTP AAVQLRYLHTLQSLSTEKPSTVVLPLPFDLLNCLSSPSNRTQGSLPFPSPSKPVEPLNPKKKDSP ML
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	30.2
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 95.0% by SDS-PAGE
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In 0.1 M Acetate buffer pH 4.0
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — NPHS2

Entrez GeneID	7827
Protein Accession#	Q9NP85
Gene Name	NPHS2
Gene Alias	PDCN, SRN1
Gene Description	nephrosis 2, idiopathic, steroid-resistant (podocin)
Omim ID	600995 604766
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	OTTHUMP00000033186 podocin

Disease

- [Albuminuria](#)
- [Alport syndrome](#)
- [Atherosclerosis](#)
- [Cardiovascular Diseases](#)
- [Chronic Disease](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Disease Progression](#)
- [Edema](#)
- [Eye Diseases](#)
- [Genetic Predisposition to Disease](#)

- [Glomerulonephritis](#)
- [Glomerulosclerosis](#)
- [Hypertension](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Nephritis](#)
- [Nephrosis](#)
- [Nephrotic Syndrome](#)
- [Obesity](#)
- [Proteinuria](#)
- [Purpura](#)
- [Tobacco Use Disorder](#)