

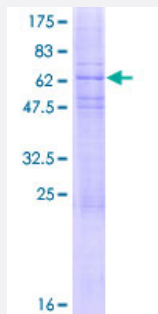
Full-Length

## NPBS2 (Human) Recombinant Protein (P01)

Catalog # H00007827-P01

Size 25 ug, 10 ug

### Applications



### Specification

#### Product Description

Human NPBS2 full-length ORF ( AAH29141.1, 1 a.a. - 315 a.a.) recombinant protein with GST-tag at N-terminal.

#### Sequence

MERRARSSSRESRGRGGRTPHKENKRAKAERSGGGRGRQEAGPEPSGSGRAGTPGEPRAPA  
ATVVDVDEVRGSGEETVVALLESERPEEGTKSSGLGACEWLLVLISLLFIIMTFPFSWFCVKV  
VQEYERVIIIFRLGHLLPGRAGPGLFFFLPCLDTHKVDLRLQTLIPFHEVALDSVTCWGIKVERIE  
IKDVRLPAGLQHSLAVEAEAQRQAKVRMIAAEAEKAASESLRMAAEILSGTPAAVQLRYLHTLQSL  
STEKPSTVVLPLPFDLLNCLSSPSNRTQGSLPFPSPSKPVEPLNPKKKDSPML

#### Host

Wheat Germ (in vitro)

#### Theoretical MW (kDa)

60.8

#### Interspecies Antigen Sequence

Mouse (80)

#### Preparation Method

[in vitro wheat germ expression system](#)

#### Purification

Glutathione Sepharose 4 Fast Flow

#### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

#### Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Note**

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — NPHS2

**Entrez GeneID**[7827](#)**GeneBank Accession#**[BC029141.1](#)**Protein Accession#**[AAH29141.1](#)**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

## Publication Reference

- [Absolute quantification of podocin, a potential biomarker of glomerular injury in human urine, by Liquid Chromatography - Multiple Reaction Monitoring cubed Mass spectrometry.](#)

Simon R, Lemoine J, Fonbonne C, Jaffuel A, Leonard JF, Gautier JC, Pasquier O, Salvador A.

Journal of Pharmaceutical and Biomedical Analysis 2014 Jun; 94:84.

Application: LCMS, Recombinant protein

## 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](#)