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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

NPHS2 (Human) Recombinant Protein (P01)

Catalog Number: H00007827-P01

Regulation Status: For research use only (RUO)

Product Description: Human NPNS2 full-length ORF (AAH29141.1, 1 a.a. - 315 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MERRARSSSRESRGRGGRTPHKENKRAKAERSGGG
RGRQEAGPEPSGSGRAGTPGEPRAPAATVVDVDEVR
GSGEETEVVALLESERPEEGTKSSGLGACEWLLVLI
SLLFIIMTFPFSIWFCVKVQYERVIIFRLGHLLPGRAK
GPGLFFFLPCLDITYHKVDLRLQTLLEIPFHEVALDSVTCI
WGIKVERIEIKDVRLPAGLQHS LAVEAEAQRQAKVRMI
AAEAKEAASESLRMAAEILSGTPAAVQLRYLHTLQSL
TEKPSTVVLPLPFDLLNCLSSPSNRTQGSLPFPSPSKP
VEPLNPKKKDSPML

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 60.8

Interspecies Antigen Sequence: Mouse (80)

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

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.

Entrez GeneID: 7827

Gene Symbol: NPNS2

Gene Alias: PDCN, SRN1

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]

References:

1. 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. J Pharm Biomed Anal. 2014 Jun;94:84-91.