

Podocin (PDCN) Recombinant Protein | PDCN recombinant protein

Recombinant Podocin (PDCN)

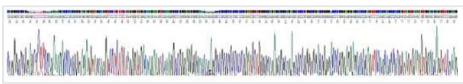
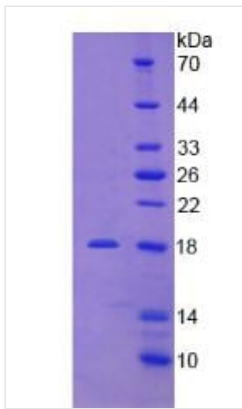
CATALOG # AAA134529	HOST E.coli	REACTIVITY Rattus norvegicus (Rat)	APPLICATIONS Western Blot, SDS-Page
-------------------------------	-----------------------	--	---

PRODUCT SYNONYMS

Podocin (PDCN); Recombinant Podocin (PDCN); PDCN recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Rattus norvegicus (Rat)
Purity/Purification	> 97%
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 400ug/mL (varies by lot)
Applicable Applications for PDCN recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Arg4~Ala100
Tags	N-terminal His Tag
Subcellular Location	Membrane
Traits	Freeze-dried powder
Predicted isoelectric point	10.4
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.



Gene Sequence
Gene Sequencing (extract)

SDS-PAGE

RARSSSR KTHGRGSRSS SRDDKSKAG RGNRGRARPD AGAERQSAGR
TGTREEHRAP AATVVNVDEV RSPGEEGTEV VALLESERPE EGIKPSGLGA

Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	31543335
NCBI GeneID	170672
NCBI Accession #	NP_570841.2
NCBI GenBank Nucleotide #	NM_130828.2
UniProt Accession #	Q8K4G9; Q4G090; Q80WP2; Q8CJE4; Q920E2
Molecular Weight	Predicted Molecular Mass: 11.6kDa Accurate Molecular Mass: 18kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	podocin
NCBI Official Synonym Full Names	nephrosis 2, idiopathic, steroid-resistant
NCBI Official Symbol	Nphs2
NCBI Official Synonym Symbols	podocin
NCBI Protein Information	podocin; nephrosis 2 homolog, podocin; nephrosis 2 idiopathic steroid-resistant (podocin); nephrosis 2, idiopathic, steroid-resistant (podocin)
UniProt Protein Name	Podocin
UniProt Gene Name	Nphs2
UniProt Entry Name	PODO_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/nphs2-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/134529>