

Recombinant Rat Nphs1 protein, His & GST-tagged

Cat. No. Nphs1-5642R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Nphs1 aa. (Pro39~Gly106 (Accession # Q9R044)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Pro39~Gly106
Description	Renal protein localized specifically to glomerular capillary walls; may contribute to the development of proteinuria in renal disease.
Form	Freeze-dried powder
Molecular Mass	41kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 9.8.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37°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.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

Storage buffer

Supplied as lyophilized form in 20mM Tris, 500mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.

Reconstitution

Reconstitute in ddH₂O.

GENE INFORMATION

Gene Name

Nphs1 NPHS1 nephrin [*Rattus norvegicus* (Norway rat)]

Official Symbol

Nphs1

Synonyms

Nphs1; NPHS1 nephrin; nephrosis 1 homolog, nephrin; nephrosis 1, congenital, Finnish type (nephrin); renal glomerulus-specific cell adhesion receptor

Gene ID

64563

mRNA Refseq

NM_022628.1

Protein Refseq

NP_072150.1

UniProt ID

Q9R044

SDS-PAGE

