

Active Recombinant Mouse Nphs1 Protein, His-tagged

Cat. No. Nphs1-718M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Nphs1 (Accession # NP_062332) Gln37-Thr1049, fused with a C-terminal 6-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Mouse
Source	Mammalian Cells
ProteinLength	Gln37-Thr1049
Predicted N Terminal	No results obtained: Gln37 predicted
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of MS-1 mouse pancreatic islet endothelial cells. When 5 x 10 ⁴ cells/well are added to rmNephrin coated plates (10 µg/mL, 100 µL/well), approximately 60 - 80% will adhere after 90 minutes at 37° C.
Molecular Mass	Recombinant Mouse Nphs1, His-tagged has a calculated MW of 110 kDa. In SDS-PAGE migrates as 130-145 kDa, reducing conditions.
Purity	>85%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

months (-70°C).

GENE INFORMATION

Gene Name	Nphs1 nephrosis 1 homolog, nephrin (human) [<i>Mus musculus</i>]
Official Symbol	Nphs1
Synonyms	NPHS1; nephrosis 1 homolog, nephrin (human); nephrin; nephrin 1; renal glomerulus-specific cell adhesion receptor; NephrinB;
Gene ID	54631
mRNA Refseq	NM_019459
Protein Refseq	NP_062332
MIM	

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