

Recombinant Human TINAG Protein, His-tagged

Cat. No. TINAG-413H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TINAG Protein (Met1-Pro476) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Pro476
Description	This gene encodes a glycoprotein that is restricted within the kidney to the basement membranes underlying the epithelium of Bowman's capsule and proximal and distal tubules. Autoantibodies against this protein are found in sera of patients with tubulointerstitial nephritis, membranous nephropathy and anti-glomerular basement membrane nephritis. Ontogeny studies suggest that the expression of this antigen is developmentally regulated in a precise spatial and temporal pattern throughout nephrogenesis.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 58.3 kDa Accurate Molecular Mass: 58&15 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	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 centigrade 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 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	TINAG tubulointerstitial nephritis antigen [Homo sapiens (human)]
Official Symbol	TINAG
Synonyms	TINAG; tubulointerstitial nephritis antigen; TIN-AG
Gene ID	27283
mRNA Refseq	NM_014464
Protein Refseq	NP_055279
MIM	606749
UniProt ID	Q9UJW2

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