

# Human COL4A3 Recombinant Protein



RPPB3223

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## Product Information    Protein Information

**Product SKU:**

RPPB3223

**Accession:**

Q01955

**Host:**

Sf9 insect cells.

**Protein description:**

Human  $\alpha 3$  chain of collagen IV; identical with the antigen called "glomerular basal membrane antigen" (GBM). Recombinant antigen for solid (ELISA) and fluid phase diagnostic assays. Calculated Molecular weight: 53kDa. Calculated isoelectric point: pH 8.9. cDNA coding for a minicollagen version of the human collagen IV  $\alpha 3$  chain fused to a hexa-histidine purification tag. The term minicollagen designates the removal of most of the epitope-less triplehelical collagenous region (situated between the N-terminal 7S domain and the C-terminal noncollagenous NC1 domain), which is a requirement for recombinant production of this antigen.

**Appearance:**

Sterile Filtered clear solution.

**Synonyms:**

Collagen alpha-3(IV) chain, Goodpasture antigen, COL4A3, Glomerular Basal Membrane, GBM.

**Formulation:**

The protein solution contains 20mM HEPES, pH 8.0 and 4M Urea.

**Purity:**

Greater than 95.0% as determined by SDS-PAGE.

**Stability:**

Recommendations for storage buffer: neutral to slightly alkaline pH and 4M urea as dissociating agent. Storage temperature: -70°C to -80°C. Please prevent freeze-thaw cycles.