

# Recombinant Mouse Col4a1 protein(1445-1669aa), His-tagged

**Cat. No.** Col4a1-821M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Col4a1 protein(1445-1669aa)(P02463), fused with C-terminal His tag, was expressed in E.coli.                                                                                                                                                                                                     |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 1445-1669aa                                                                                                                                                                                                                                                                                                        |
| <b>Form</b>             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.                                                                                 |
| <b>Molecular Mass</b>   | 31.8 kDa                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>           | Greater than 85% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                        |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                     |
| <b>Reconstitution</b>   | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. |

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## AA Sequence

GFLVTRHSQTDDPLCPPGTKILYHGYSLLYVQGNERAHGQDLGTAGSCLRKFSTM  
PFLFCNINNVCNFASRNDYSYWLSTPEPMPMSMAPISGDNIRPFISRCACEAPAMV  
MAVHSQTIQIPQCPNGWSSLWIGYSFVMHTSAGAEGSGQALASPGSCLEEFRSAPF  
IECHGRGTCNYYANAYSFWLATIERSEMFKKPTPSTLKAGELRTHVSRQCVMRRT

## GENE INFORMATION

**Gene Name** Col4a1 collagen, type IV, alpha 1 [ Mus musculus ]

**Official Symbol** Col4a1

**Synonyms** COL4A1; collagen, type IV, alpha 1; collagen alpha-1(IV) chain; Del(8)Bru44H; alpha1(IV) collagen; retinal anterior wiring; procollagen, type IV, alpha 1; Bru; Raw; Svc; Col4a-1; Del(8)44H;

**Gene ID** 12826

**mRNA Refseq** NM\_009931

**Protein Refseq** NP\_034061

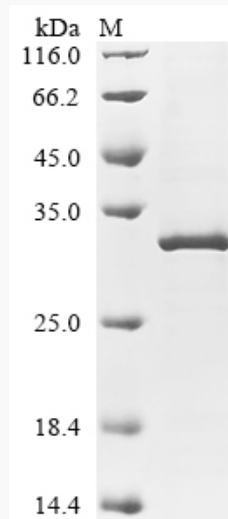
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SDS-PAGE



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