# Recombinant Rat Col3a1 protein, His-tagged

**Cat. No.** Col3a1-7929R **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Rat Col3a1 aa. (Arg1171~Arg1435 (Accession # P13941)) fused with N-terminal His tag was produced in E. coli cells. |
| **Species** | Rat |
| **Source** | E.coli |
| **ProteinLength** | Arg1171~Arg1435 |
| **Description** | May be involved in craniofacial development. |
| **Form** | Freeze-dried powder |
| **Molecular Mass** | 31 kDa as determined by SDS-PAGE reducing conditions. |
| **Endotoxin** | <1.0EU per 1ug (determined by the LAL method) |
| **Purity** | >95% |
| **Characteristic** | The isoelectric point is 6.6. |
| **Applications** | SDS-PAGE; WB; ELISA; IP |
| **Stability** | The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein |

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| | at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein 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 liquid form in Phosphate buffered saline(PBS), pH 7.4. |
| **Reconstitution** | Reconstitute in sterile PBS, pH7.2-pH7.4. |

## GENE INFORMATION

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| **Gene Name** | Col3a1 collagen type III alpha 1 chain [ Rattus norvegicus (Norway rat) ] |
| **Official Symbol** | Col3a1 |
| **Synonyms** | Col3a1; collagen type III alpha 1 chain; collagen alpha-1(III) chain; collagen, type III, alpha 1; procollagen, type III, alpha 1 |
| **Gene ID** | 84032 |
| **mRNA Refseq** | NM_032085.1 |
| **Protein Refseq** | NP_114474.1 |
| **UniProt ID** | P13941 |

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