

Recombinant Rat Col3a1 protein, His-tagged

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

SPECIFICATION

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

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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