

Recombinant Human COL9A3 293 Cell Lysate

Cat. No. COL9A3-7374HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for collagen, type IX, alpha 3 (COL9A3) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name COL9A3 collagen, type IX, alpha 3 [Homo sapiens]

Official Symbol COL9A3

Synonyms COL9A3; collagen, type IX, alpha 3; collagen alpha-3(IX) chain; collagen type IX proteoglycan; DJ885L7.4.1; EDM3; FLJ90759; IDD; MED; collagen IX, alpha-3 polypeptide;

Gene ID 1299

mRNA Refseq NM_001853

Protein Refseq NP_001844

MIM 120270

UniProt ID Q14050

Chromosome Location 20q13.3

Pathway Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; NCAM signaling for neurite out-growth, organism-specific biosystem; NCAM1 interactions, organism-specific biosystem; Protein digestion and absorption, organism-specific biosystem; Protein digestion and absorption, conserved

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biosystem; Signal Transduction, organism-specific biosystem;

Function

extracellular matrix structural constituent conferring tensile strength;

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