Active Recombinant Mouse Col13a1, His-tagged

Cat. No. Col13a1-325M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Col13a1 (Accession # AAH34164) Glu107-Gln565, fused with an N-terminal 6-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Mouse
Source	Mammalian Cells
ProteinLength	107-565 a.a.
Predicted N Terminal	His
Form	Lyophilized from a 0.2 μm filtered solution in PBS.
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of A431 human epithelial carcinoma cells.When 1 x 10^5 cells per well are added to rmCOL-13A1 coated plate (2 μg/mL, 100 μl/well), approximately 45% - 75% will adhere after 1 hour at 37 °C. Optimal dilutions should be determined by each laboratory for each application.
Molecular Mass	Recombinant Mouse Col13a1, His-tagged has a calculated MW of 46.0 kDa. In SDS-PAGE migrates as 50-60 kDa, reducing conditions.
Purity	>80%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In

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	lyophilized state for 1 year (4ºC); After reconstitution under sterile conditions for 3 months (-70ºC).

GENE INFORMATION

Gene Name	Col13a1 collagen, type XIII, alpha 1 [Mus musculus]
Official Symbol	Col13a1
Synonyms	COL13A1; collagen, type XIII, alpha 1; collagen alpha-1(XIII) chain; type XIII collagen; procollagen, type XIII, alpha 1;
Gene ID	12817
mRNA Refseq	NM_007731
Protein Refseq	NP_031757
MIM	

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