

Active Recombinant Human COL23A1 Protein, His-tagged

Cat. No. COL23A1-855H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human COL23A1 (Accession # NP_775736) Glu111-Lys540, fused with an N-terminal 6-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
ProteinLength	Glu111-Lys540
Predicted N Terminal	His
Form	Lyophilized from a 0.2 µ filtered solution in PBS.
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of SW1353 human chondrosarcoma cells. When 5 x 10 ⁴ cells/well are added to rhCOL23A1 coated plates (10 µg/mL, 100 µL/well), approximately 60% - 80% will adhere after 60 minutes at 37° C.
Molecular Mass	Recombinant Human COL23A1, His-tagged has a calculated MW of 41.9 kDa. In SDS-PAGE migrates as 55-65 kDa, reducing conditions.
Purity	>95%, 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 lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3

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months (-70°C).

GENE INFORMATION

Gene Name	COL23A1 collagen, type XXIII, alpha 1 [Homo sapiens]
Official Symbol	COL23A1
Synonyms	COL23A1; collagen, type XXIII, alpha 1; collagen alpha-1(XXIII) chain; DKFZp434K0621; procollagen, type XXIII, alpha 1;
Gene ID	91522
mRNA Refseq	NM_173465
Protein Refseq	NP_775736
MIM	610043
UniProt ID	Q86Y22
Chromosome Location	5q35.3

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