

Active Recombinant Human COL23A1 Protein, His-tagged

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

SPECIFICATION

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|-----------------------------|---|
| 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 µm 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 |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

months (-70°C).

GENE INFORMATION

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|----------------------------|---|
| 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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