

## Recombinant Mouse Col8a2 Protein, Myc/DDK-tagged

Cat. No. Col8a2-2244M Lot. No. (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length collagen, type VIII, alpha 2 (Col8a2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.   |
| <b>Species</b>          | Mouse   |
| <b>Source</b>           | HEK293  |
| <b>Description</b>      | Macromolecular component of the subendothelium. Major component of the Descemet's membrane (basement membrane) of corneal endothelial cells. Also component of the endothelia of blood vessels. Necessary for migration and proliferation of vascular smooth muscle cells and thus, has a potential role in the maintenance of vessel wall integrity and structure, in particular in atherogenesis. |
| <b>Molecular Mass</b>   | 66.9 kDa  |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining   |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.   |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.  |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method  |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.   |

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## GENE INFORMATION

|                        |  |
|------------------------|--|
| <b>Gene Name</b>       | Col8a2 collagen, type VIII, alpha 2 [ Mus musculus (house mouse) ]   |
| <b>Official Symbol</b> | Col8a2   |
| <b>Synonyms</b>        | COL8A2; collagen, type VIII, alpha 2; collagen alpha-2(VIII) chain; endothelial collagen; procollagen type VIII alpha 2; procollagen, type VIII, alpha 2; AI429819; MGC90765 |
| <b>Gene ID</b>         | 329941   |
| <b>mRNA Refseq</b>     | NM_199473  |
| <b>Protein Refseq</b>  | NP_955767  |
| <b>UniProt ID</b>      | P25318   |

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