

## Recombinant Human ECM1, GST-tagged

**Cat. No.** ECM1-12269H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Product Overview</b> | Recombinant Human ECM1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | C-term-300a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | This gene encodes a soluble protein that is involved in endochondral bone formation, angiogenesis, and tumor biology. It also interacts with a variety of extracellular and structural proteins, contributing to the maintenance of skin integrity and homeostasis. Mutations in this gene are associated with lipoid proteinosis disorder (also known as hyalinosi cutis et mucosae or Urbach-Wiethe disease) that is characterized by generalized thickening of skin, mucosae and certain viscera. Alternatively spliced transcript variants encoding distinct isoforms have been described for this gene. |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                            |

### GENE INFORMATION

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|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | ECM1 extracellular matrix protein 1 [ Homo sapiens ]                                                                        |
| <b>Official Symbol</b>     | ECM1                                                                                                                        |
| <b>Synonyms</b>            | ECM1; extracellular matrix protein 1; secretory component p85;                                                              |
| <b>Gene ID</b>             | 1893                                                                                                                        |
| <b>mRNA Refseq</b>         | NM_001202858                                                                                                                |
| <b>Protein Refseq</b>      | NP_001189787                                                                                                                |
| <b>MIM</b>                 | 602201                                                                                                                      |
| <b>UniProt ID</b>          | Q16610                                                                                                                      |
| <b>Chromosome Location</b> | 1q21                                                                                                                        |
| <b>Function</b>            | enzyme binding; laminin binding; protease binding; protein C-terminus binding; protein binding; signal transducer activity; |