

## Recombinant Human PLOD3, His-tagged

Cat. No. PLOD3-1794H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                      |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant Human PLOD3 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.                                                             |
| Species          | Human                                                                                                                                                                |
| Source           | E.coli                                                                                                                                                               |
| ProteinLength    | C-term-400aa                                                                                                                                                         |
| Storage          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                            |
| Storage Buffer   | 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 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol. |

### GENE INFORMATION

|                 |                                                                                                                                                                                    |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | PLOD3 procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3 [ Homo sapiens ]                                                                                                          |
| Official Symbol | PLOD3                                                                                                                                                                              |
| Synonyms        | PLOD3; procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3; procollagen-lysine,2-oxoglutarate 5-dioxygenase 3; LH3; lysyl hydroxylase 3; lysyl hydroxylase 3; lysine hydroxylase 3; |

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|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>             | 8985                                                                                                                                                                                                                                                            |
| <b>mRNA Refseq</b>         | NM_001084                                                                                                                                                                                                                                                       |
| <b>Protein Refseq</b>      | NP_001075                                                                                                                                                                                                                                                       |
| <b>MIM</b>                 | 603066                                                                                                                                                                                                                                                          |
| <b>UniProt ID</b>          | O60568                                                                                                                                                                                                                                                          |
| <b>Chromosome Location</b> | 7q22.1                                                                                                                                                                                                                                                          |
| <b>Pathway</b>             | Lysine degradation, organism-specific biosystem; Lysine degradation, conserved biosystem; Other types of O-glycan biosynthesis, organism-specific biosystem; Other types of O-glycan biosynthesis, conserved biosystem;                                         |
| <b>Function</b>            | L-ascorbic acid binding; iron ion binding; metal ion binding; oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen, 2-oxoglutarate as one donor, and incorporation of one atom each of oxygen into both donors |