

Recombinant Human PLOD1, GST-tagged

Cat. No. PLOD1-1792H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PLOD1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-350aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	PLOD1?procollagen-lysine, 2-oxoglutarate 5-dioxygenase 1 [?Homo sapiens?(human)]
Official Symbol	PLOD1
Synonyms	PLOD1; LH; LH1; LLH; EDS6; PLOD; procollagen-lysine, 2-oxoglutarate 5-dioxygenase 1; procollagen-lysine, 2-oxoglutarate 5-dioxygenase 1; lysine hydroxylase; lysyl hydroxylase 1; procollagen-lysine 1, 2-oxoglutarate 5-dioxygenase

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	1; NP_000293.2; EC 1.14.11.4
Gene ID	5351
mRNA Refseq	NM_000302
Protein Refseq	NP_000293
MIM	153454
UniProt ID	Q02809
Chromosome Location	1p36.22
Pathway	Collagen biosynthesis and modifying enzymes; Extracellular matrix organization; Lysine degradation
Function	L-ascorbic acid binding; procollagen-lysine 5-dioxygenase activity; protein homodimerization activity