

Recombinant Human PLOD3 protein, GST-tagged

Cat. No. PLOD3-5654H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PLOD3 protein(339-738 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	339-738 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients.
AASequence	HEPHIADSWPQLQDHFSVAVKLVGPPEEALSPGEARDMAMDLCRQDPECEFYFSLDA DAVLTNLQTLRILIEENRKVIAPMLSRHGKLWSNFWGALSPDEYYARSEDYVELVQR KRVGVWNVPIYSQAYVIRGDTLRMELPQRDVFSGSDTDPDMAFCKSFRDKGIFLHL SNQHEFGRLATSRYDTEHLHPDLWQIFDNPVDWKEQYIHENYSRALEGEQIVEQP CPDVYWFPLLSEQMCDELVAEMEHYGQWSGGRHEDSRLAGGYENVPTVDIHMKQ VGYEDQWLQLLRITYVGPMTESLFPGYHTKARAVMNFVVRYPDEQPSLRPHHDSS TFTLNVALNHKGLDYEKGGRFLRYDCVISSPRKGWALLHPGRLTHYHEGLPTTWG TRYIMVSFVDP
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.

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Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.
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;
Gene ID	8985
mRNA Refseq	NM_001084
Protein Refseq	NP_001075
MIM	603066
UniProt ID	O60568

SDS-PAGE

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