



# Recombinant Human Multifunctional procollagen lysine hydroxylase and glycosyltransferase LH3 (PLOD3)

<b>Product Code</b>	CSB-MP018201HU
<b>Relevance</b>	Forms hydroxylysine residues in -Xaa-Lys-Gly- sequences in collagens. These hydroxylysines serve as sites of attachment for carbohydrate units and are essential for the stability of the intermolecular collagen cross-links.
<b>Abbreviation</b>	Recombinant Human PLOD3 protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	O60568
<b>Storage Buffer</b>	Tris-based buffer, 50% glycerol
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 95% as determined by SDS-PAGE. Greater than 95% as determined by SEC-HPLC.
<b>Sequence</b>	SDRPRGRDPVNPEKLLVITVATAETEGYLRFLRSAEFFNYTVRTLGLGEEWRG GDVARTVGGGQKVRWLKKEMEKYADREDMIIMFVDSYDVLGASPTTELLKKFV QSGSRLLFSAESFCWPEWGLAEQYPEVGTGKRFLNSGGFIGFATTIHQIVRQ WKYKDDDDQLFYTRLYLDPGLREKLSLNLDHKSRIQNLGALDEVVLKFDR NRVIRNVAYDTLPIVVHGNPGLKQLNLGNYPNGWTPPEGGCGFCNQDRR TLPGGQPPPRVFLAVFVEQPTPFLPRFLQRLLLLDYPPDRVTLFLHNNEVFHEP HIADSWPQLQDHFSAVKLVGPEEALSPGEARDMAMDLCRQDPECEFYFSLDA DAVLTNLQTLRILIEENRKVIAPMLSRHGKLWSNFWGALSPDEYYARSEDYVEL VQRKRVGVWVNPYISQAYVIRGDTLRMELPQRDVFGSDTDPDMAFCKSFDR KGIFLHLSNQHEFGRLATSRYDTEHLHPDLWQIFDNPVDWKEQYIHENYSRA LEGEQIVEQPCPDVYWFPLLSEQMCDELVAEMEHYGGQWSSGRHEDSRLAGG YENVPTVDIHMKQVGYEDQWLQLLRITYVGPMTESLFGYHTKARAVMNFVVR YRPDEQPSLRPHHDSSTFTLNVALNHKGLDYEGGGCRFLRYDCVISSPRKGW ALLHPGRLTHYHEGLPTTWGTRYIMVSFVDP
<b>Research Area</b>	Others
<b>Source</b>	Mammalian cell
<b>Target Names</b>	PLOD3
<b>Protein Names</b>	Lysyl hydroxylase 3 (LH3)
<b>Expression Region</b>	25-738aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at



4°C for up to one week.

**Tag Info**

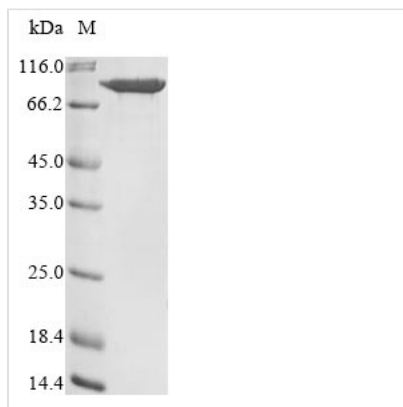
N-terminal 10xHis-tagged

**Mol. Weight**

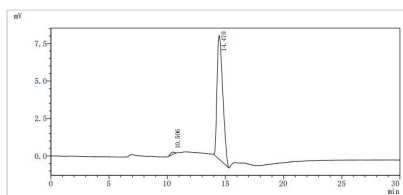
85.9 kDa

**Protein Length**

Full Length of Mature Protein

**Image**


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



The purity of PLOD3 was greater than 95% as determined by SEC-HPLC

**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.