

Procollagen-lysine,2-oxoglutarate 5-dioxygenase 3 (PLOD3) Recombinant Protein | PLOD3 recombinant protein

Recombinant Human Procollagen-lysine,2-oxoglutarate 5-dioxygenase 3 (PLOD3)

CATALOG # AAA115425	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

Procollagen-lysine; 2-oxoglutarate 5-dioxygenase 3 (PLOD3); Recombinant Human Procollagen-lysine; PLOD3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	25-738aa; Full Length of Mature Protein
Sequence	SDRPRGRDPV NPEKLLVITV ATAETEGYLR FLRSAEFFNY TVRTLGLGEE WRGGDVARTV GGGQKVRWLK KEMEKYADRE DMIIMFVDSY DVILAGSPTL LLKKFVQSGS RLLFSAESFC WPEWGLAEQY PEVGTGKRFL NSGGFIGFAT TIHQIVRQWK YKDDDDDDQLF YTRYLDPLG REKLSLNLDH KSRIFQNLNG ALDEVVLKFD RNRVRIRNVA YDTLPIVHNG NGPTKLQLNY LGNYVPNGWT PEGGCGFCNQ DRRTLPGGQP PPRVFLAVFV EQPTPFLPRF LQRLLLDYP PDRVTLFLHN NEVFHEPHIA DSWPQLQDHF SAVKLVGPPEE ALSPGEARDM AMDLCRQDPE CEFYFSLDAD AVLNLQTLR ILIEENRKVI APMLSRHGKL WSNFWGALSP DEYYARSEDY VELVQRKRVG VWNVPYISQA YVIRGDTLRM ELPQRDVFSG SDTDPDMAFC KSFRDKGIFL HLSNQHEFGR LLATSRDYTE HLHPDLWQIF DNPVDWKEQY IHENYSRALE GEGIVEQPCP DVYWFLLSE QMCDELVAEM EHYQWWSGGR HEDSRLAGGY ENVPTVDIHM KQVGIEDQWL QLLRTYVGPM TESLFPGYHT KARAVMNFVV RYRPDEQPSL RPHHDSSTFT LNVALNHKGL DYEGGGCRFL RYDCVISSPR KGWALLHPGR LTHYHEGLPT TWGTRYIMVS FVDP
Species	Human
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for PLOD3 recombinant protein	This protein is a membrane-bound homodimeric enzyme that is localized to the cisternae of the rough endoplasmic reticulum. The enzyme (cofactors iron and ascorbate) catalyzes the hydroxylation of lysyl residues in collagen-like peptides. The resultant hydroxylysyl groups are attachment sites for carbohydrates in collagen and thus are critical for the stability of intermolecular crosslinks. Some patients with Ehlers-Danlos syndrome type VIB have deficiencies in lysyl hydroxylase activity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505891
NCBI GeneID	8985
NCBI Accession #	NP_001075.1
NCBI GenBank Nucleotide #	NM_001084.4
UniProt Accession #	O60568 ; Q540C3 ; B2R6W6

Molecular Weight	85.9 kDa
NCBI Official Full Name	procollagen-lysine,2-oxoglutarate 5-dioxygenase 3
NCBI Official Synonym Full Names	procollagen-lysine,2-oxoglutarate 5-dioxygenase 3
NCBI Official Symbol	PLOD3
NCBI Official Synonym Symbols	LH3
NCBI Protein Information	procollagen-lysine,2-oxoglutarate 5-dioxygenase 3
UniProt Protein Name	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 3
UniProt Gene Name	PLOD3
UniProt Synonym Gene Names	LH3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/plod3-recombinant-protein-e-coli/115425>