

Product datasheet for **SC209332**

PLOD1 (NM_000302) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: PLOD1 (NM_000302) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: PLOD1
Synonyms: EDS6; EDSKCL1; LH; LH1; LLH; PLOD
ACCN: NM_000302
Insert Size: 759 bp
Insert Sequence: >SC209332 3'UTR clone of NM_000302
The sequence shown below is from the reference sequence of NM_000302. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TACATCGCAGTCTCCTTCGTCGATCCCTAATTGGCCAGGCCTGACCTCTTGGACCTTTCTCTTTGGCC
GACAACCACTGCCAGCAGCCTCTGGACCTCGGGTCCCAGGGAACCCAGTCCAGCCTCCTGGCTGTT
GACTTCCATTGCTCTTGGAGCCACCAATCAAAGAGATTCAAAGAGATTCTGCAGGCCAGAGGCGGAA
CACACCTTTATGGCTGGGCTCTCCGTGGTGTCTGGACCCAGCCCTGGAGACACCATTCACTTTTAC
TGCTTTGTAGTGACTCGTGCTCTCCAACCTGTCTTCTGAAAAACCAAGGCCCTTCCCCACCTCTT
CCATGGGGTGAGACTTGAGCAGAACAGGGGCTTCCCCAAGTTGCCAGAAAGACTGTCTGGGTGAGAAG
CCATGGCCAGAGCTTCTCCAGGCACAGGTGTTGCACCAGGACTTCTGCTTCAAGTTTTGGGGTAAAG
ACACCTGGATCAGACTCCAAGGGCTGCCCTGAGTCTGGGACTTCTGCCTCCATGGCTGGTCATGAGAGC
AAACCGTAGTCCCCTGGAGACAGCGACTCCAGAGAACCTTGGGAGACAGAAGAGGCATCTGTGCACA
GCTCGATCTTCTACTTGCCTGTGGGGAGGGGAGTGACAGGTCCACACCCACACTGGGTACCCTGTCC
TGGATGCCTCTGAAGAGAGGGACAGACCGTCAGAAACTGGAGAGTTTCTATTAAAGGTCATTTAAACCA
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: Sgfl-Mlul

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).



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Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_000302.4
Summary:	Lysyl hydroxylase is a membrane-bound homodimeric protein localized to the cisternae of the 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 VI have deficiencies in lysyl hydroxylase activity. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2015]
Locus ID:	5351
MW:	27.3