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Product datasheet for SC204264

PLOD3 (NM_001084) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PLOD3 (NM_001084) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PLOD3
Synonyms:	LH3
ACCN:	NM_001084
Insert Size:	327 bp
Insert Sequence:	>SC204264 3'UTR clone of NM_001084 The sequence shown below is from the reference sequence of NM_001084. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC TACATCATGGTGTCCTTTGTCGACCCCTGACACTCAACCACTCTGCCAAACCTGCCCTGCCATTGTGCC TTTTTAGGGGGCCTGGCCCCCGTCCTGGGAGTTGGGGGATGGGTCTCTCTGTCTCCCCACTTCCTGAGT TCATGTTCCGCGTGCCTGAACTGAATATGTCACCTTGCTCCCAAGACACGGCCCTCTCAGGAAGCTCCC GGAGTCCCCGCCTCTCTCCTCCGCCCACAGGGGTTCGTGGGCACAGGGCTTCTGGGGACTCCCCGCGTG ATAAATTATTAATGTTCCGCAGTCTCACTCTGAATAAAGGACAGTTTGTAA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
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).
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_001084.5

View online »

Summary: The protein encoded by this gene 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. [provided by RefSeq, Jul 2008]

Locus ID: 8985

MW: 11.3