

Product datasheet for SC213729

PLOD2 (NM_182943) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: PLOD2 (NM_182943) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: PLOD2
Synonyms: BRKS2; LH2; TLH
ACCN: NM_182943
Insert Size: 1307 bp
Insert Sequence: >SC213729 3'UTR clone of NM_182943
 The sequence shown below is from the reference sequence of NM_182943. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGCATCGCC
TACATTGCAGTGTCAATTTATAGATCCCTAAGTTATTTACTTTTCATTGAATTGAAATTTATTTTGGATG
AATGACTGGCATGAACACGCTCTTTGAAGTTGTGGCTGAGAAGATGAGAGGAATATTTAAATAACATCAA
CAGAACAACCTTCACTTTGGGCCAAACATTTGAAAACTTTTTATAAAAAATTGTTTGATATTTCTTAAT
GTCTGCTCTGAGCCTTAAACACAGATTGAAGAAGAAAAGAAAAGAAAACTTAAATATTTATTTCTAT
GCTTTGTGCCTCTGAGAATAATGACAATTTATGAATTTGTGTTCAAATTGATAAAATATTTAGGTAC
AAATAACAAGACTAATAATATTTTCTTATTTAAAAAAGCATGGGAAGATTTTTATTTATCAAAATATA
GAGGAAATGTAGACAAAATGGATATAAATGAAAATTACCATGTTGTA AACCTTGAAAATCAGATTCTA
ACTGGATTTGTATGCAACTAAGTATTTTCTGAACACCTATGCAGGTCTTATTTACAGTAGTTACTAAG
GGAACACACAAAAGAATTACACAACGTTTTCTCAAGAAAATGGTACAAAACACAACCGAGGAGCGTATA
CAGTTGAAAACATTTTTGTTTGGATTGGAAGGCAGATTATTTATATTAGTATTTAAAAATCAAACCTTA
TGTTTCTTTCAGATGAATCTTCCAAAGTGGATTATATTAAGCAGGTATTAGATTTAGGAAAACCTTTCC
ATTTCTTAAAGTATTATCAAGTGTCAAGATCAGCAAGTGTCTTAAAGTCAACAGTTTTTTTTTGTGT
TGTTTTGCTTTGTTTCTTTTTTAGAAAGTCTAGAAAATAGGAAAACGAAAATTTTCATTGAGATGA
GTAGTGCAATTTAATTTTTTAAAAAAGTCTTTTAAAGTACTTGAATTTTATATCAGGAAAACAAAGTTG
TTGAGCCTTGCTTCTCCGTTTTGCCCTTTGTCTCGCTCCTTATCTTTTTTTGGGGGGAGGGTTATTT
GCTTTTTATCTTCTGGCATAATTTCCATTTTATTCTTCTGAGTGTCTATGTTAACTTCCCTCTATCC
CGCTTATAAAAAAATCTCCAACAAAAAATACTTGTGACTTGTATGTTTATCACTTCTCTAAGTAAGGT
TGAATATCCTTATTGTAGCTACTGTTTTAATGTAAGGTTAACTTGAAGAAGAAATTTAATCAGC
GTGCCAAAATTCATTTTCTAACCCATGTGTTAGAAAATTATAAAAAATAAAAATAATTTTAGAAA
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
  
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Restriction Sites: Sgfl-MluI



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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_182943.3
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. Mutations in the coding region of this gene are associated with Bruck syndrome. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]
Locus ID:	5352
MW:	52