Human LDLR/LDL R/LDL Receptor Gene ORF cDNA clone in cloning vector

Catalog Number: HG10231-M

General Information
Gene: low density lipoprotein receptor
Official Symbol: LDLR
Synonym: FH; FHC; LDL R; LDL Receptor; LDLCO2
Source: Human
cDNA Size: 2583bp
RefSeq: NM_000527.3
Plasmid: pMD-LDLR

Description
Lot: Please refer to the label on the tube

Sequence Description:
Identical with the Gene Bank Ref. ID sequence except for the point mutations: 1413A/G, 1617C/T not causing the amino acid variation; 2582G/C (stop codon 861S).

Vector:
pMD18-T Simple

Quality control:
The plasmid is confirmed by full-length sequencing with primers in the sequencing primer list.

Sequencing primer list:

M13-47: 5’ GCCAGGGTTTCCAGTCACGAC 3’
RV-M: 5’ GAGCGGATAACATTTCACACAGG 3’

The plasmid is ready for:
• Restriction enzyme digestion
• PCR amplification
• *E. coli* transformation
• DNA sequencing

*E. coli* strains for transformation (recommended but not limited)

Most commercially available competent cells are appropriate for the plasmid, e.g. TOP10, DH5α and TOP10F’.
Vector Information

pMD18-T Simple Vector is a high-efficiency TA cloning vector constructed from pUC18, of which the initial multiple cloning sites (MCS) were destroyed. The pMD18-T Simple Vector is 2.6kb in size and contains the ampicillin resistance gene for selection. The coding sequence was inserted by TA cloning at site 425.

Physical Map of pMD18-T Simple (MCS destroyed):