

Product datasheet for **KN205651LP**

Angiopoietin like 4 (ANGPTL4) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
Symbol:	Angiopoietin like 4
Locus ID:	51129
Components:	KN205651G1 , Angiopoietin like 4 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN205651G2 , Angiopoietin like 4 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN205651LPD , donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette.

Homologous arm and Luciferase-Puro sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **Luciferase-Puro in green**;
Right arm in violet

```
GGACTACAGG CGCGCACTAC CAAGCCCGGC TAATTTTTTT TTGATTTTTT AGTAGAGACT GGGTTTCACG
ATGTTGGCCG GGCTGGTCTG GAAGTCTTGA CCTCAAGCGT GCGCCCTCTC CGCCACTGGG TAAGGCGGGG
GCCGAATAGG GGGCTTGCAA TTTCACACTA GAGGCGGGCA CCGTGGGGGA AAGAAGAGTC ACGTCTCCCA
CGGTTCTAG AGGAAGGCCT GCCTGAGCCT GGAGCGGGG CGGAGAGCC ACAGTTTGGC ATCCCCAGGG
CATCCCCAG CCCGCAGACT ACCAGGCCTC CAGAGGACAG GACCCACCC CCGGCCACAG GCCCTGCCCC
CAGCACTCCC CGCACCCCGC CTCCAAGACT CCTCCGCCA CTCCGCACCC AACTTATAAA AACCGTCTC
GGGCGGGCG GGGAGAAGCC GAGCTGAGCG GATCCTACA CGACTGTGAT CCGATTCTTT CCAGCGGCTT
CTGCAACCAA GCGGTCTTA CCCCCGTCC TCCGCTCTC CAGTCTCGC ACCTGGAAC CCAACGTCCC
CGAGAGTCCC CGAATCCCCG CTCCCAGGCT ACCTAAGAGG CCTGCAGCTC GGCCAGGGGC TGC CGGAACA
CGCGGAGCG ACCCGCAGTC AGCTGAGCG GCTGGAGCGG CGCCTGAGCG CGTGCGGGTC CGCCTGTGAG
GGAACCGAGG GGTCCACCGA CCTCCCGTTA GCCCCTGAGA GCCGGGTGGA CCCTGAGGTC CTTACAGCC
TGCAGGTACG TGTCCCCAGG GCTGGTCTC CGCGCCCTA GTGGCTCTCC TGGCTTGGAA GGGTATGGAC
AGGAGTGGGG CGTGGGGGCG GGGTGCGCAA CTGTGGCTCC CTGGGCTTCC CTGCGTCAAG GGATGGGCTC
CCCCTTAGG AAGCCGAGGA GGGAGGTTG CTCAAGGCCA GGAATTCAAG ACCACCTAAA GCAAAATAGC
GAGACCCCG TCTTTCTAC ACACACAC ACACACAC AAAATAAATA AAATAAATA AAATAAATAT
AAAATAAAA AACGACCGG CGCAGTGGCT CACGGAGCCT CCACCTGCTG TCGAGACTAG CCTGGCCAAC
ATGGAGAAAC CTCGTCTCTA CTAAAAATAC AAAAAATTAG CCTGGCATGG TGTGCATGCC TGTAATCCCA
GCTACTTGGG
```

GE100003, scramble sequence in pCas-Guide vector



[View online »](#)

Disclaimer: These products are manufactured and supplied by OriGene under license from ERS. The kit is designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the experimental process.

RefSeq: [NM_001039667](#), [NM_016109](#), [NM_139314](#), [NR_104213](#)

UniProt ID: [Q9BY76](#)

Synonyms: ANGPTL2; ARP4; FIAF; HARP; HFARP; NL2; PGAR; pp1158; TGQTL; UNQ171

Summary: This gene encodes a glycosylated, secreted protein containing a C-terminal fibrinogen domain. The encoded protein is induced by peroxisome proliferation activators and functions as a serum hormone that regulates glucose homeostasis, lipid metabolism, and insulin sensitivity. This protein can also act as an apoptosis survival factor for vascular endothelial cells and can prevent metastasis by inhibiting vascular growth and tumor cell invasion. The C-terminal domain may be proteolytically-cleaved from the full-length secreted protein. Decreased expression of this gene has been associated with type 2 diabetes. Alternative splicing results in multiple transcript variants. This gene was previously referred to as ANGPTL2 but has been renamed ANGPTL4. [provided by RefSeq, Sep 2013]

Product images:

