

Product datasheet for RC212380

Collagen IV alpha 6 (COL4A6) (NM_001847) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Collagen IV alpha 6 (COL4A6) (NM_001847) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Collagen IV alpha 6
Synonyms:	CXDELq22.3; DELXq22.3; DFNX6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC212380 representing NM_001847 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGC**C

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ACTGGACCACCCGGGAACCAGGCCACCTGGTCCATGGGGTCTCATAGGCCTTCCAGGCCTTAAAGGAG
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Protein Sequence:

>RC212380 representing NM_001847
Red=Cloning site Green=Tags(s)

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VSRCQVCMKSL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8026_b07.zip

Restriction Sites:

Sgfl-MluI

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001847.1](#), [NP_001838.1](#)

RefSeq Size: 6574 bp

RefSeq ORF: 5076 bp

Locus ID: 1288

UniProt ID: [Q14031](#)

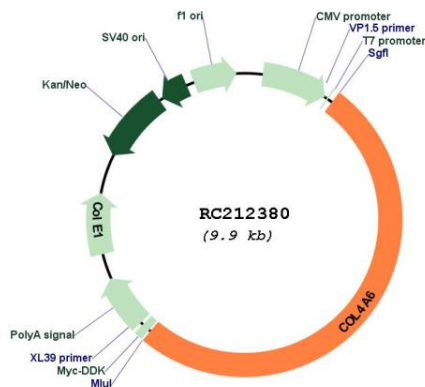
Cytogenetics: Xq22.3

Protein Pathways: ECM-receptor interaction, Focal adhesion, Pathways in cancer, Small cell lung cancer

MW: 163.79 kDa

Gene Summary: This gene encodes one of the six subunits of type IV collagen, the major structural component of basement membranes. Like the other members of the type IV collagen gene family, this gene is organized in a head-to-head conformation with another type IV collagen gene, alpha 5 type IV collagen, so that the gene pair shares a common promoter. Deletions in the alpha 5 gene that extend into the alpha 6 gene result in diffuse leiomyomatosis accompanying the X-linked Alport syndrome caused by the deletion in the alpha 5 gene. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2013]

Product images:



Circular map for RC212380