*cyno*ANGPTL7 VersaClone cDNA

Catalog Number: RDC3392

Specifications:

Gene:	*cyno*ANGPTL7
Accession:	XP_005544861.1
Insert size:	1048bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

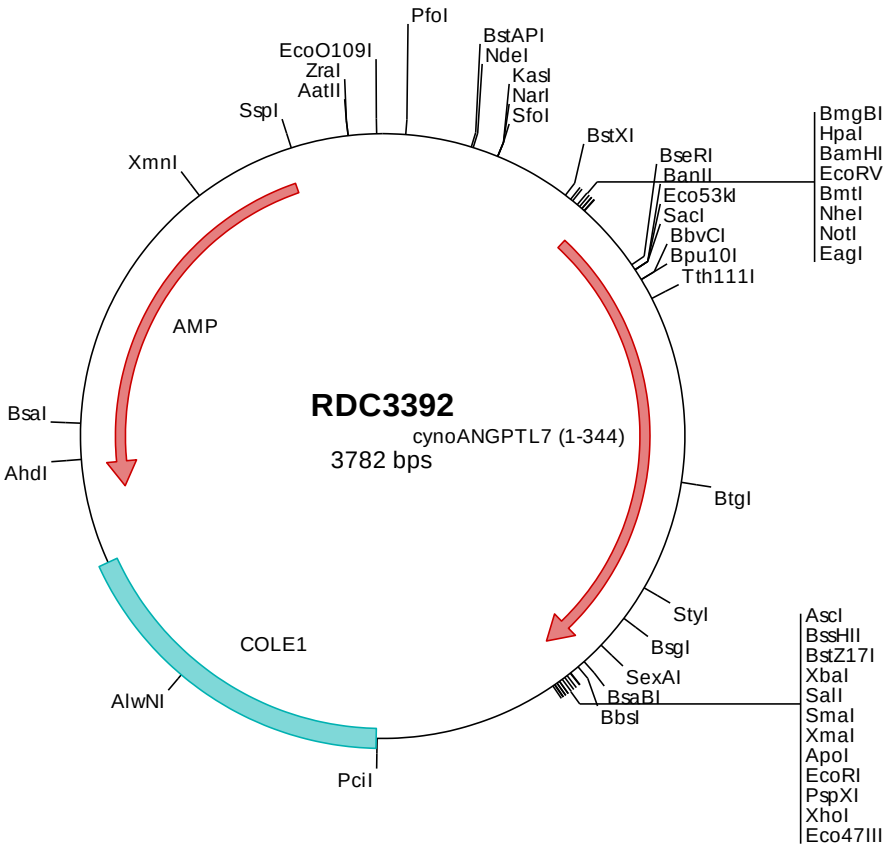
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*cyno*ANGPTL7 cDNA Plasmid

ANGPTL7 angiopoietin like 7 [*Macaca fascicularis* (crab-eating macaque)]

Summary:

ANGPTL7 is a secreted glycoprotein and is a member of the angiopoietin-like family of molecules. Members of this protein family contain an N-terminal coiled coil domain and a C-terminal fibrinogen-like domain. The ANGPTL7 monomer forms homotetramers *via* its coiled coil domain. It is expressed in the corneal stroma, trabecular meshwork, and sclera. Its production is up-regulated in trabecular meshwork cells by glucocorticoids and TGF-beta and in cartilage by TNF-alpha. When overexpressed in tumor cells, it promotes collagen and proteoglycan deposition but inhibits tumor xenograft progression and tumor angiogenesis.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC3392 Plasmid DNA Sequence

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 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
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 701  gcaacagcaa gcgcatggag tcgcggctca cagatgccga gagcaagtac tctgagatga acaaccaaat cgacatcatg cagctgcagg cggcacagac
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1801  tgactcgctg cgctcggtcg ttcggctgcg gcgagcggta tcagctcact caaaggcggt aatacggtta tccacagaat caggggataa cgcaggaaag
1901  aacatgtgag caaaaggcca gcaaaaggcc aggaaccgta aaaaggccgc gttgctggcg tttttccata ggctccgccc ccctgacgag catcacaaaa
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2901  accagccagc cggaagggcc gagcgcagaa gtggtcctgc aactttatcc gcctccatcc agtctattaa ttgttgccgg gaagctagag taagtagttc
3001  gccagttaat agtttgcgca acgttgttgc cattgctaca ggcatcgtgg tgtcacgctc gtcgtttggt atggcttcat tcagctccgg ttcccaacga
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3601  ttattgaagc atttatcagg gttattgtct catgagcgga tacatatttg aatgtattta gaaaaataaa caaatagggg ttccgcgcac atttccccga
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> RDC3392 Translated Insert Sequence

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101  semnnqidim qlqaaqtvtq tsadaiydcs slyqknyris gvyklppddf lgspelevfc dmetsgggwt iiqrrksglv sfyqdwkqyk qgfgsirgdf
201  wlgnehihrl srqptrlrve medwegnlry aeyshfvlgn elnsyrlflg nytgnvgnda lqyhnntafs tkdkdndncl dkcarlrkgg ywyncctdsn
301  lngvyyrlge hnkhldgitw ygwhgstysl krvemkirpe dfkp
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