

Specifications:

Gene:	caTEK
Accession:	XP_005626754.1
Insert size:	3388bp
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

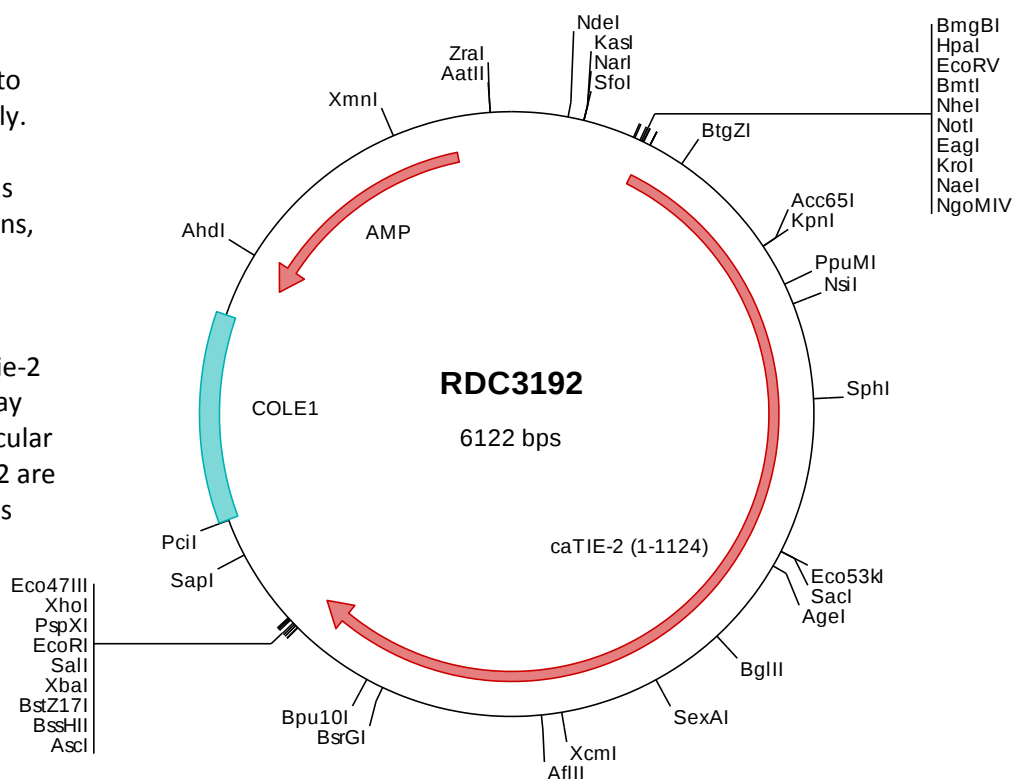
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

caTie-2 cDNA Plasmid

TEK TEK receptor tyrosine kinase
[*Canis lupus familiaris* (dog)]

Summary:

Tie-2 is a receptor that belongs to the protein tyrosine kinase family. Tie-2 possesses a unique extracellular region that contains two immunoglobulin-like domains, three epidermal growth factor (EGF)-like domains, and three fibronectin type III repeats. The ligand angiopoietin-1 binds to Tie-2 and mediates a signaling pathway that functions in embryonic vascular development. Mutations in Tie-2 are associated with inherited venous malformations of the skin and mucous membranes.



> RDC3192 Plasmid DNA Sequence

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1   tcgcgcgcttt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacgggtca cagcttgtct gtaagcggat gccggggagca gacaagcccg
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> RDC3192 Translated Insert Sequence

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201  safnrlivrr ceagkwgpec qrvctvcmmn gvchedtgec icppgfmgrt cekacelhthf firtckercsg pegcksyvfc lpdpygcscs tgwqglqcn
301  acpqqyygpd cklscrcshg emcdrfqqcl cspergqlqc ekegmprmpi kiedlphdie vnsqkfnpic kasgwplpan eemtlvxpdc tvlhpdkdfl
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501  ivtlnylepr teylelcqvl rvwgeghp gpvrffttas iglppprgli llpksqttln ltwqpfps lwdfyvever hhpniinllg nkvpgnlt
601  vllnllqpre qyivrarvnt kaggwseidl iawtldsdlp ppenikisin itdssamisw tildgysiss iiirykvqgk nedghidvki knatitqyql
701  kglepetayq vdfiaennig ssnptfshel mtlsksqapa dlgggkmlil ailsagmtey ltvllaflim lqlkravvqr rmaqafqnre epavqfnsyt
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