*h*TEM5/GPR124 VersaClone cDNA

Catalog Number: RDC0887

Specifications:

Gene:	*h*GPR124
Accession:	AA027354
Insert size:	4009bp
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

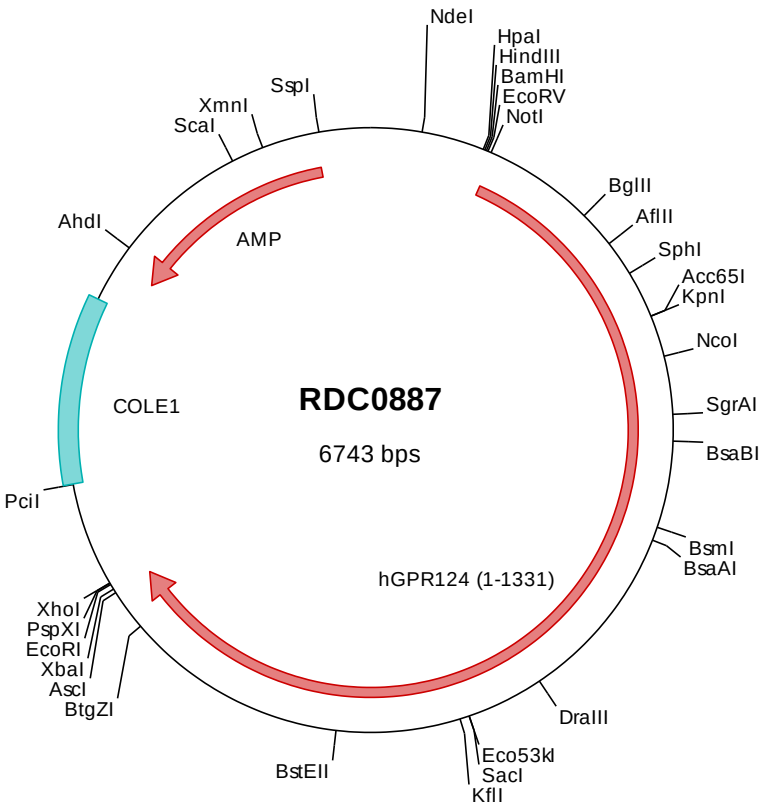
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*TEM5/GPR124 cDNA Plasmid

GPR124 G protein-coupled receptor 124 [*Homo sapiens* (human)]

Also known as: TEM5

Summary:
GPR124 is a member of the adhesion family of G protein coupled receptors and is localized on the surface of endothelial cells. GPR124 is abundantly expressed in tumor vessels, heart, placenta, ovary, small intestine, and colon. This receptor mediates endothelial cell survival during angiogenesis by linking integrin to glycosaminoglycans. GPR124 has also been shown to interact with DLG1 through its PDZ-binding motif.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0887 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
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgcgggggg cgcccgcgcg cctgctgctg ccgctgctgc cgtggctcct
 501  gctgctcctg gcgcccgagg ctcggggtgc gcctggctgc ccgctatcca tccgcagctg caagtgctcg ggggagcggc ccaaggggct gagcggcggc
 601  gtccctggcc cggctcggcg gagggtggtg tgcagcggcg gggacctccc ggagcctccc gagcccggcc ttctgcctaa cggcaccgtt accctgctct
 701  tgagcaataa caagatcacg gggctccgca atggctcctt cctgggactg tcactgctgg agaagctgga cctgaggaac aacatcatca gcacagtgca
 801  gccgggcgcc ttcctgggcc tgggggagct gaagcgttta gatctctcca acaaccggat tggctgtctc acctccgaga ccttccaggg cctccccagg
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2001  ggccgccctc agcccccatg cccagcacat ctcagtgaat gcgaggaacg tggcattgga ggcctacctc atcaagccgc acagctacgt gggcctgacc
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> RDC0887 Translated Insert Sequence

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