*h*Frizzled-7 VersaClone cDNA

Catalog Number: RDC0123

Specifications:

Gene:	*h*FZD7
Accession:	NP_003498
Insert size:	1738bp
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

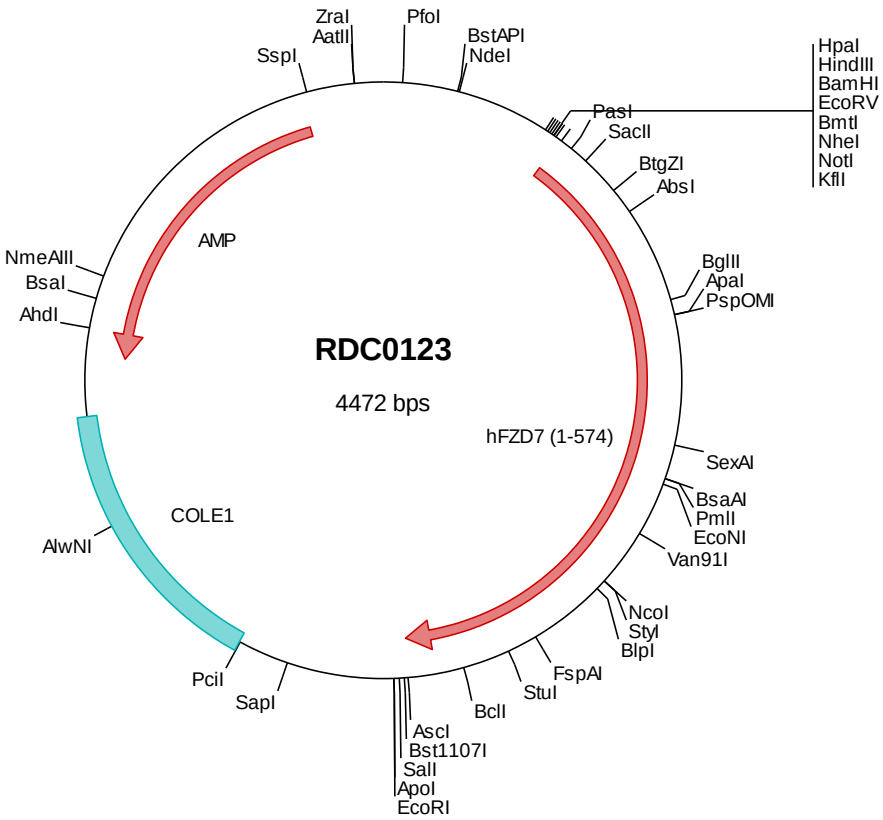
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*Frizzled-7 cDNA Plasmid

FZD7 frizzled family receptor 7
[*Homo sapiens*]

Also known as: FzE3

Summary:
FZD7 is a member of the Frizzled family of unconventional G protein-coupled glycoprotein receptors for the Wnt signaling pathway. The Wnt genes encode a large family of glycoproteins that are essential in development and tissue maintenance. During development, FZD7 is expressed during gastrulation and in the fetal gut, kidney and lung where it is thought to influence tissue morphogenesis via non-canonical signaling pathways. Roles for FZD7 have been determined in both canonical Wnt/β-Catenin-mediated signaling and non-canonical planar cell polarity and calcium pathways.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0123 Plasmid DNA Sequence

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 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 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 atgcgggacc ccggcgcagc cgctccgctt tcgtccctgg gcctctgtgc
 501  cctggtgctg gcgctgctgg gcgcactgtc cgcgggcgcc ggggcgcagc cgtaccacgg agagaagggc atctccgtgc cggaccacgg cttctgccag
 601  cccatctcca tcccgctgtg cacggacatc gcctacaacc agaccatcct gcccaacctg ctgggccaca cgaaccaaga ggacgcgggc ctcgaggtgc
 701  accagttcta cccgctggtg aaggtgcagt gttctcccga actccgcttt ttcttatgct ccatgtatgc gcccgtgtgc accgtgctcg atcaggccat
 801  cccgccgtgt cgttctctgt gcgagcgcgc ccgccagggc tgcgaggcgc tcatgaacaa gttcggcttc cagtggcccg agcggctgcg ctgcgagaac
 901  ttcccggtgc acggtgcggg cgagatctgc gtgggccaga acacgtcgga cggctccggg ggcccaggcg gcggccccac tgcctaccct accgcgccct
1001  acctgccgga cctgcccttc accgcgctgc ccccgggggc ctcagatggc agggggcgtc ccgccttccc cttctcatgc ccccgtcagc tcaaggtgcc
1101  cccgtacctg ggctaccgct tcctgggtga gcgcgattgt ggcgccccgt gcgaaccggg ccgtgccaac ggcctgatgt actttaagga ggaggagagg
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1401  gcgcttctcg gacgatggct accgcacggt ggcgcagggc accaagaagg agggctgcac catcctcttc atggtgctct acttcttcgg catggccagc
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1701  tgtggacgcg ctgcggggct tcgtgctggc gcctctgttc gtctacctct tcataggcac gtccttcttg ctggccggct tcgtgtccct cttccgtatc
1801  cgcaccatca tgaaacacga cggcaccaag accgagaagc tggagaagct catggtgcgc atcggcgtct tcagcgtgct ctacacagtg cccgccacca
1901  tcgtcctggc ctgctacttc tacgagcagg ccttccgcga gcactgggag cgcacctggc tcctgcagac gtgcaagagc tatgccgtgc cctgcccgcc
2001  cggccacttc ccgcccatga gccccgactt caccgtcttc atgatcaagt acctgatgac catgatcgtc ggcatcacca ctggcttctg gatctggtcg
2101  ggcaagaccc tgcagtcgtg gcgccgcttc taccacagac ttagccacag cagcaagggg gagactgcgg tataaaggcg cgccagtata ctctagagtc
2201  gacacccggg gaattcctcg agcgctcgtc tctagcttgg cgtaatcatg gtcatagctg tttcctgtgt gaaattgtta tccgctcaca attccacaca
2301  acatacgagc cggaagcata aagtgtaaag cctggggtgc ctaatgagtg agctaactca cattaattgc gttgcgctca ctgcccgctt tccagtcggg
2401  aaacctgtcg tgccagctgc attaatgaat cggccaacgc gcggggagag gcggtttgcg tattgggcgc tcttccgctt cctcgctcac tgactcgctg
2501  cgctcggtcg ttcggctgcg gcgagcggta tcagctcact caaaggcggt aatacggtta tccacagaat caggggataa cgcaggaaag aacatgtgag
2601  caaaaggcca gcaaaaggcc aggaaccgta aaaaggccgc gttgctggcg tttttccata ggctccgccc ccctgacgag catcacaaaa atcgacgctc
2701  aagtcagagg tggcgaaacc cgacaggact ataaagatac caggcgtttc cccctggaag ctccctcgtg cgctctcctg ttccgaccct gccgcttacc
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2901  gctgtgtgca cgaaccccc gttcagcccg accgctgcgc cttatccggt aactatcgtc ttgagtccaa cccggtaaga cacgacttat cgccactggc
3001  agcagccact ggtaacagga ttagcagagc gaggtatgta ggcggtgcta cagagttctt gaagtggtgg cctaactacg gctacactag aaggacagta
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3701  agtttgcgca acgttgttgc cattgctaca ggcatcgtgg tgtcacgctc gtcgtttggt atggcttcat tcagctccgg ttcccaacga tcaaggcgag
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4101  aactctcaag gatcttaccg ctgttgagat ccagttcgat gtaacccact cgtgcaccca actgatcttc agcatctttt actttcacca gcgtttctgg
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> RDC0123 Translated Insert Sequence

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 101  flcsmyapvc tvldqaippc rslcerarqg cealmnkfgf qwperlrcen fpvhgageic vgqntsdgsg gpgggptayp tapylpdlpf talppgasdg
 201  rgrpafpfsc prqlkvppyl gyrflgerdc gapcepgran glmyfkeeer rfarlwvgvw svlccastlf tvltylvdmr rfsyperpii flsgcyfmva
 301  vahvagflle dravcverfs ddgyrtvaqg tkkegctilf mvlyffgmas siwwvilslt wflaagmkwg heaieansqy fhlaawavpa vktitilamg
 401  qvdgdllsgv cyvglssvda lrgfvlaplf vylfigtsfl lagfvslfri rtimkhdgtk tekleklmvr igvfsvlytv pativlacyf yeqafrehwe
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