# *h*FLRT2 VersaClone cDNA

**Catalog Number: RDC1814**

## Specifications:

| | |
|---|---|
| Gene: | *h*FLRT2 |
| Accession: | NP_037363 |
| Insert size: | 1996bp |
| 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.

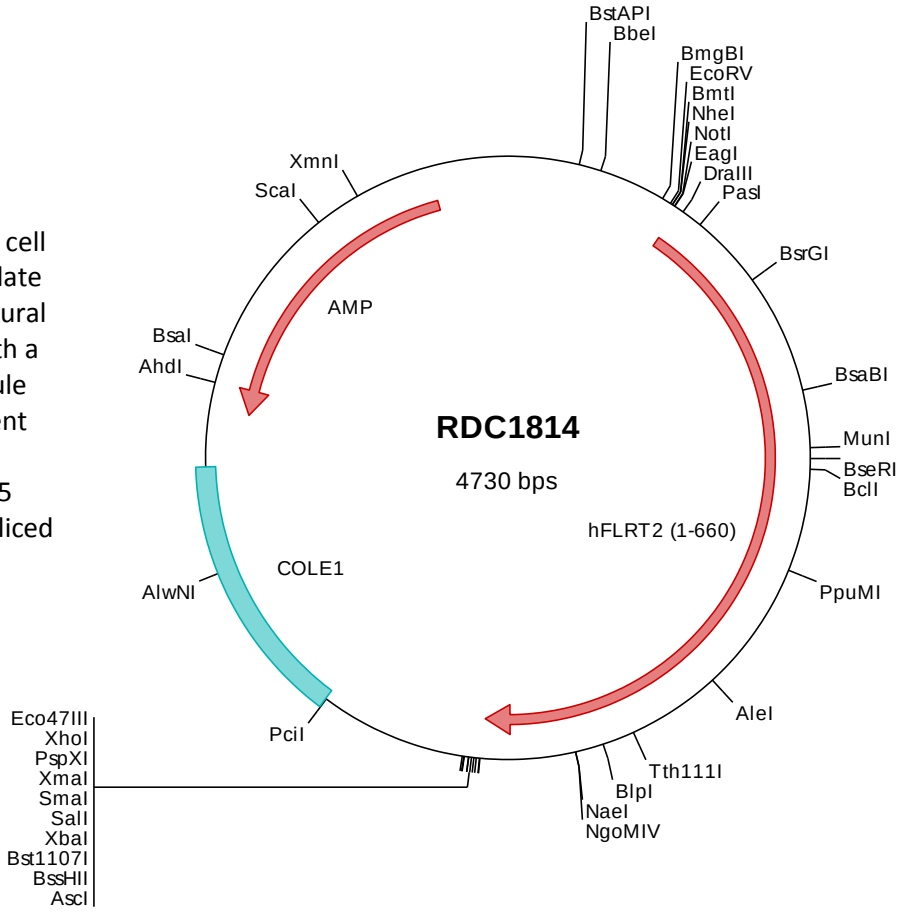
## Preparation and Storage

| | |
|---|---|
| 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*FLRT2 cDNA Plasmid

**FLRT2 fibronectin leucine rich transmembrane protein 2**
**[ *Homo sapiens*(human) ]**


**Summary:**
FLRT2 is a member of the fibronectin leucine rich transmembrane (FLRT) family of cell adhesion molecules, which regulate early embryonic vascular and neural development. It functions as both a homophilic cell adhesion molecule and a heterophilic chemorepellent through its interaction with members of the uncoordinated-5 receptor family. Alternatively spliced transcripts encoding different proteins have been described.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## > RDC1814 Plasmid DNA Sequence

```
   1  tcgcgcgttt cggtgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
 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 atgggcctac agaccacaaa gtggcccagc catggggctt ttttcctgaa
 501  gtcttggctt atcatttccc tggggctcta ctcacaggtg tccaaactcc tggcctgccc tagtgtgtgc cgctgcgaca ggaactttgt ctactgtaat
 601  gagcgaagct tgacctcagt gcctcttggg atcccggagg gcgtaaccgt actctacctc cacaacaacc aaattaataa tgctggattt cctgcagaac
 701  tgcacaatgt acagtcggtg cacacggtct acctgtatgg caaccaactg gacgaattcc ccatgaacct tcccaagaat gtcagagttc tccatttgca
 801  ggaaaacaat attcagacca tttcacgggc tgctcttgcc cagctcttga agcttgaaga gctgcacctg gatgacaact ccatatccac agtgggggtg
 901  gaagacgggg ccttccggga ggctattagc ctcaaattgt tgtttttgtc taagaatcac ctgagcagtg tgcctgttgg gcttcctgtg gacttgcaag
1001  agctgagagt ggatgaaaat cgaattgctg tcatatccga catggccttc cagaatctca cgagcttgga gcgtcttatt gtggacggga acctcctgac
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1201  ggtacgcatc tgatcaggct ctatttgcag gacaaccaga taaaccacat tcctttgaca gccttctcaa atctgcgtaa gctggaacgg ctggatatat
1301  ccaacaacca actgcggatg ctgactcaag gggtttttga taatctctcc aacctgaagc agctcactgc tcggaataac ccttggtttt gtgactgcag
1401  tattaaatgg gtcacagaat ggctcaaata tatcccttca tctctcaacg tgcggggttt catgtgccaa ggtcctgaac aagtccgggg gatggccgtc
1501  agggaattaa atatgaatct tttgtcctgt cccaccacga cccccggcct gcctctcttc accccagccc caagtacagc ttctccgacc actcagcctc
1601  ccaccctctc tattccaaac cctagcagaa gctacacgcc tccaactcct accacatcga aacttcccac gattcctgac tgggatggca gagaaagagt
1701  gaccccacct atttctgaac ggatccagct ctctatccat tttgtgaatg atacttccat tcaagtcagc tggctctctc tcttcaccgt gatggcatac
1801  aaactcacat gggtgaaaat gggccacagt ttagtagggg gcatcgttca ggagcgcata gtcagcggtg agaagcaaca cctgagcctg gttaacttag
1901  agccccgatc cacctatcgg atttgtttag tgccactgga tgcttttaac taccgcgcgg tagaagacac catttgttca gaggccacca cccatgcctc
2001  ctatctgaac aacggcagca acacagcgtc cagccatgag cagacgacgt cccacagcat gggctccccc tttctgctgg cgggcttgat cgggggcgcg
2101  gtgatatttg tgctggtggt cttgctcagc gtcttttgct ggcatatgca caaaaagggg cgctacacct cccagaagtg gaaatacaac cggggccggc
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2301  ccttaaagga gatttcagac tgcagcccat ttacacccca aatgggggca ttaattacac agactgccat atccccaaca acatgcgata ctgcaacagc
2401  agcgtgccag acctggagca ctgccatacg taaaggcgcg ccagtatact ctagagtcga cacccgggga attcctcgag cgctcgtctc tagcttggcg
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2601  aatgagtgag ctaactcaca ttaattgcgt tgcgctcact gcccgctttc cagtcgggaa acctgtcgtg ccagctgcat taatgaatcg gccaacgcgc
2701  ggggagaggc ggtttgcgta ttgggcgctc ttccgcttcc tcgctcactg actcgctgcg ctcggtcgtt cggctgcggc gagcggtatc agctcactca
2801  aaggcggtaa tacggttatc cacagaatca ggggataacg caggaaagaa catgtgagca aaaggccagc aaaaggccag gaaccgtaaa aaggccgcgt
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3501  aagatccttt gatcttttct acggggtctg acgctcagtg gaacgaaaac tcacgttaag ggattttggt catgagatta tcaaaaagga tcttcaccta
3601  gatccttta aattaaaaat gaagttttaa atcaatctaa agtatatatg agtaaacttg gtctgacagt taccaatgct taatcagtga ggcacctatc
3701  tcagcgatct gtctatttcg ttcatccata gttgcctgac tccccgtcgt gtagataact acgatacggg agggcttacc atctggcccc agtgctgcaa
3801  tgataccgcg agacccacgc tcaccggctc cagatttatc agcaataaac cagccagccg gaagggccga gcgcagaagt ggtcctgcaa ctttatccgc
3901  ctccatccag tctattaatt gttgccggga agctagagta agtagttcgc cagttaatag tttgcgcaac gttgttgcca ttgctacagg catcgtggtg
4001  tcacgctcgt cgtttggtat ggcttcattc agctccggtt cccaacgatc aaggcgagtt acatgatccc ccatgttgtg caaaaaagcg gttagctcct
4101  tcggtcctcc gatcgttgtc agaagtaagt tggccgcagt gttatcactc atggttatgg cagcactgca taattctctt actgtcatgc catccgtaag
4201  atgcttttct gtgactggtg agtactcaac caagtcattc tgagaatagt gtatgcggcg accgagttgc tcttgcccgg cgtcaatacg ggataatacc
4301  gcgccacata gcagaacttt aaaagtgctc atcattggaa aacgttcttc ggggcgaaaa ctctcaagga tcttaccgct gttgagatcc agttcgatgt
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4501  aagggcgaca cggaaatgtt gaatactcat actcttcctt tttcaatatt attgaagcat ttatcagggt tattgtctca tgagcggata catatttgaa
4601  tgtatttaga aaaataaaca aatagggttc ccgcgcacat ttccccgaaa agtgccacct gacgtctaag aaaccattat tatcatgaca ttaacctata
4701  aaaataggcg tatcacgagg ccctttcgtc
```

## > RDC1814 Translated Insert Sequence

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 201  qnltslerli vdgnlltnkg iaegtfshlt klkefsivrn slshpppdlp gthlirlylq dnqinhiplt afsnlrkler ldisnnqlrm ltqgvfdnls
 301  nlkqltarnn pwfcdcsikw vtewlkyips slnvrgfmcq gpeqvrgmav relnmnllsc ptttpglplf tpapstaspt tqpptlsipn psrsytpptp
 401  ttsklptipd wdgrervtpp iseriqlsih fvndtsiqvs wlslftvmay kltwvkmghs lvggivqeri vsgekqhlsl vnleprstyr iclvpldafn
 501  yravedtics eatthasyln ngsntasshe qttshsmgsp fllagligga vifvlvvlls vfcwhmhkkg rytsqkwkyn rgrrkddyce agtkkdnsil
 601  emtetsfqiv slnndqllkg dfrlqpiytp ngginytdch ipnnmrycns svpdlehcht
```