*h*Inhibin-βE VersaClone cDNA

Catalog Number: RDC3735

Specifications:

Gene:	*h*INHBE
Accession:	NP_113667.1
Insert size:	1064bp
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.

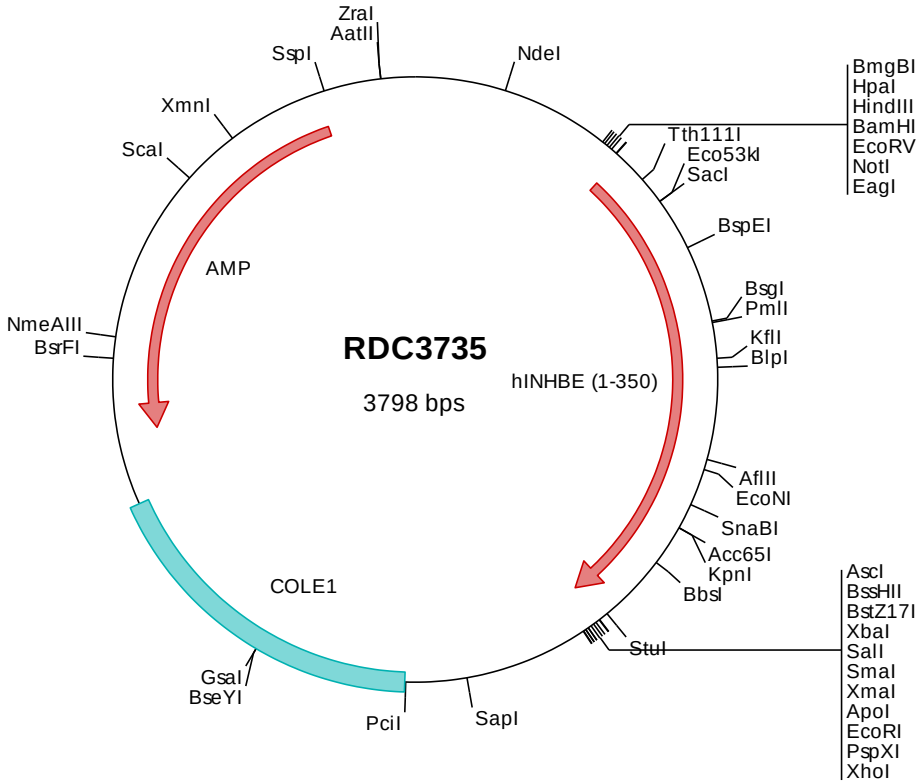
Preparation and Storage

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*Inhibin-βE cDNA Plasmid

INHBE inhibin subunit beta E
[*Homo sapiens* (human)]

Summary:
INHBE is a member of the TGF-beta (transforming growth factor-beta) superfamily of proteins. INHBE is proteolytically processed to generate an inhibin beta subunit. Inhibins have been implicated in regulating numerous cellular processes including cell proliferation, apoptosis, immune response and hormone secretion. INHBE may be upregulated under conditions of endoplasmic reticulum stress, and this protein may inhibit cellular proliferation and growth in pancreas and liver.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3735 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 atgcggctcc ctgatgtcca gctctggctg gtgctgctgt gggcactggt
 501  gcgagcacag gggacagggt ctgtgtgtcc ctcctgtggg ggctccaaac tggcacccca agcagaacga gctctggtgc tggagctagc caagcagcaa
 601  atcctggatg ggttgcacct gaccagtcgt cccagaataa ctcatcctcc accccaggca gcgctgacca gagccctccg gagactacag ccagggagtg
 701  tggctccagg gaatggggag gaggtcatca gctttgctac tgtcacagac tccacttcag cctacagctc cctgctcact tttcacctgt ccactcctcg
 801  gtcccaccac ctgtaccatg cccgcctgtg gctgcacgtg ctccccaccc ttcctggcac tctttgcttg aggatcttcc gatggggacc aaggaggagg
 901  cgccaagggt cccgcactct cctggctgag caccacatca ccaacctggg ctggcatacc ttaactctgc cctctagtgg cttgaggggt gagaagtctg
1001  gtgtcctgaa actgcaacta gactgcagac ccctagaagg caacagcaca gttactggac aaccgaggcg gctcttggac acagcaggac accagcagcc
1101  cttcctagag cttaagatcc gagccaatga gcctggagca ggccgggcca ggaggaggac ccccacctgt gagcctgcga ccccttatg ttgcaggcga
1201  gaccattacg tagacttcca ggaactggga tggcgggact ggatactgca gcccgagggg taccagctga attactgcag tgggcagtgc cctccccacc
1301  tggctggcag cccaggcatt gctgcctctt tccattctgc cgtcttcagc ctcctcaaag ccaacaatcc ttggcctgcc agtacctcct gttgtgtccc
1401  tactgcccga aggcccctct ctctcctcta cctggatcat aatggcaatg tggtcaagac ggatgtgcca gatatggtgg tggaggcctg tggctgcagc
1501  taggcgcgcc agtatactct agagtcgaca cccggggaat tcctcgagcg ctcgtctcta gcttggcgta atcatggtca tagctgtttc ctgtgtgaaa
1601  ttgttatccg ctcacaattc cacacaacat acgagccgga agcataaagt gtaaagcctg gggtgcctaa tgagtgagct aactcacatt aattgcgttg
1701  cgctcactgc ccgctttcca gtcgggaaac ctgtcgtgcc agctgcatta atgaatcggc caacgcgcgg ggagaggcgg tttgcgtatt gggcgctctt
1801  ccgcttcctc gctcactgac tcgctgcgct cggtcgttcg gctgcggcga gcggtatcag ctcactcaaa ggcggtaata cggttatcca cagaatcagg
1901  ggataacgca ggaaagaaca tgtgagcaaa aggccagcaa aaggccagga accgtaaaaa ggccgcgttg ctggcgtttt tccataggct ccgccccct
2001  gacgagcatc acaaaaatcg acgctcaagt cagaggtggc gaaacccgac aggactataa agataccagg cgtttccccc tggaagctcc ctcgtgcgct
2101  ctcctgttcc gaccctgccg cttaccggat acctgtccgc ctttctccct tcgggaagcg tggcgctttc tcaatgctca cgctgtaggt atctcagttc
2201  ggtgtaggtc gttcgctcca agctgggctg tgtgcacgaa ccccccgttc agcccgaccg ctgcgcctta tccggtaact atcgtcttga gtccaacccg
2301  gtaagacacg acttatcgcc actggcagca gccactggta acaggattag cagagcgagg tatgtaggcg gtgctacaga gttcttgaag tggtggccta
2401  actacggcta cactagaagg acagtatttg gtatctgcgc tctgctgaag ccagttacct tcggaaaaag agttggtagc tcttgatccg gcaaacaaac
2501  caccgctggt agcggtggtt tttttgtttg caagcagcag attacgcgca gaaaaaaagg atctcaagaa gatcctttga tcttttctac ggggtctgac
2601  gctcagtgga acgaaaactc acgttaaggg attttggtca tgagattatc aaaaaggatc ttcacctaga tccttttaaa ttaaaaatga agttttaaat
2701  caatctaaag tatatatgag taaacttggt ctgacagtta ccaatgctta atcagtgagg cacctatctc agcgatctgt ctatttcgtt catccatagt
2801  tgcctgactc cccgtcgtgt agataactac gatacgggag ggcttaccat ctggccccag tgctgcaatg ataccgcgag acccacgctc accggctcca
2901  gatttatcag caataaacca gccagccgga agggccgagc gcagaagtgg tcctgcaact ttatccgcct ccatccagtc tattaattgt tgccgggaag
3001  ctagagtaag tagttcgcca gttaatagtt tgcgcaacgt tgttgccatt gctacaggca tcgtggtgtc acgctcgtcg tttggtatgg cttcattcag
3101  ctccggttcc caacgatcaa ggcgagttac atgatccccc atgttgtgca aaaaagcggt tagctccttc ggtcctccga tcgttgtcag aagtaagttg
3201  gccgcagtgt tatcactcat ggttatggca gcactgcata attctcttac tgtcatgcca tccgtaagat gcttttctgt gactggtgag tactcaacca
3301  agtcattctg agaatagtgt atgcggcgac cgagttgctc ttgcccggcg tcaatacggg ataataccgc gccacatagc agaactttaa aagtgctcat
3401  cattggaaaa cgttcttcgg ggcgaaaact ctcaaggatc ttaccgctgt tgagatccag ttcgatgtaa cccactcgtg cacccaactg atcttcagca
3501  tcttttactt tcaccagcgt ttctgggtga gcaaaaacag gaaggcaaaa tgccgcaaaa aagggaataa gggcgacacg gaaatgttga atactcatac
3601  tcttcctttt tcaatattat tgaagcattt atcagggtta ttgtctcatg agcggataca tatttgaatg tatttagaaa aataaacaaa taggggttcc
3701  gcgcacattt ccccgaaaag tgccacctga cgtctaagaa accattatta tcatgacatt aacctataaa aataggcgta tcacgaggcc ctttcgtc
```

> RDC3735 Translated Insert Sequence

```
   1  mrlpdvqlwl vllwalvraq gtgsvcpscg gsklapqaer alvlelakqq ildglhltsr prithpppqa altralrrlq pgsvapgnge evisfatvtd
 101  stsaysslt fhlstprshh lyharlwlhv lptlpgtlcl rifrwgprrr rqgsrtllae hhitnlgwht ltlpssglrg eksgvlklql dcrplegnst
 201  vtgqprrlld taghqqpfle lkiranepga grarrrtptc epatplccrr dhyvdfqelg wrdwilqpeg yqlnycsgqc pphlagspgi aasfhsavfs
 301  llkannpwpa stsccvptar rplslly ldh ngnvvktdvp dmvveacgcs
```