*h*Inhibin-βA VersaClone cDNA

Catalog Number: RDC3760

Specifications:

Gene:	*h*INHBA
Accession:	NP_002183.1
Insert size:	1293bp
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

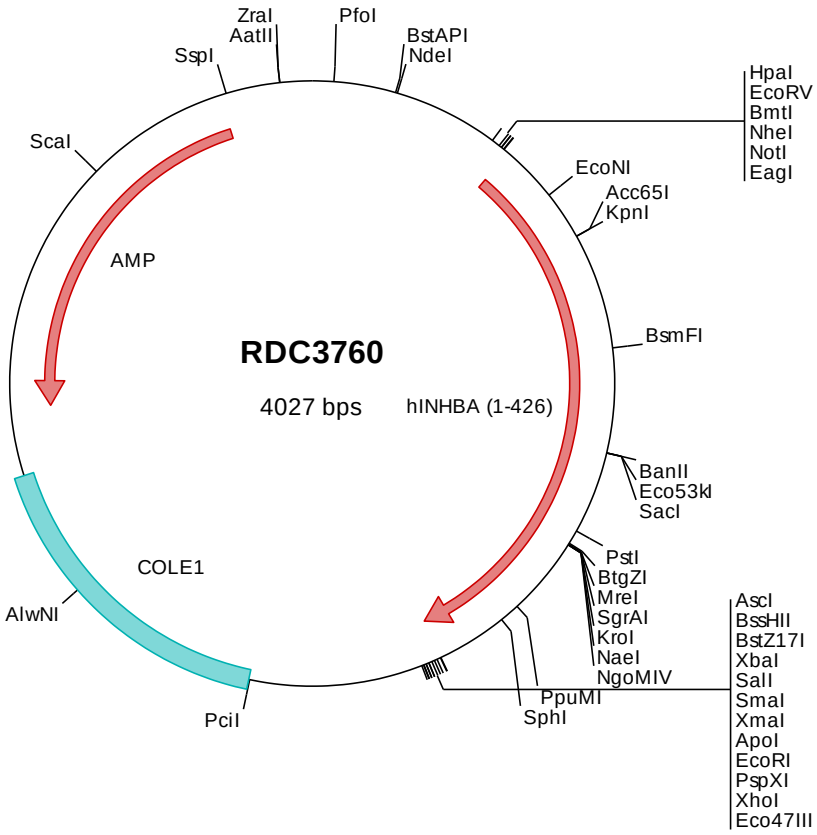
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*Inhibin-βA cDNA Plasmid

INHBA inhibin subunit beta A
[*Homo sapiens* (human)]

Also known as: EDF; FRP

Summary:
INHBA is a member of the TGF-beta (transforming growth factor-beta) superfamily of proteins. It is proteolytically processed to generate a subunit of the dimeric activin and inhibin protein complexes. These complexes activate and inhibit, respectively, follicle stimulating hormone secretion from the pituitary gland. INHBA also plays a role in eye, tooth and testis development. Elevated expression of INHBA may be associated with cancer cachexia in human patients.



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NOT FOR USE IN HUMANS

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R&D SYSTEMS

> RDC3760 Plasmid DNA Sequence

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   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 atgcccttgc tttggctgag aggatttctg ttggcaagtt gctggattat
 501  agtgaggagt tcccccaccc caggatccga ggggcacagc gcggcccccg actgtccgtc ctgtgcgctg gccgccctcc caaaggatgt acccaactct
 601  cagccagaga tggtggaggc cgtcaagaag cacattttaa acatgctgca cttgaagaag agacccgatg tcacccagcc ggtacccaag gcggcgcttc
 701  tgaacgcgat cagaaagctt catgtgggca aagtcgggga gaacgggtat gtggagatag aggatgacat tggaaggagg gcagaaatga atgaacttat
 801  ggagcagacc tcggagatca tcacgtttgc cgagtcagga acagccagga agacgctgca cttcgagatt tccaaggaag gcagtgacct gtcagtggtg
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1001  gcagcttgga cacaggggaa gaggccgagg aagtgggctt aaagggggag aggagtgaac tgttgctctc tgaaaaagta gtagacgctc ggaagagcac
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1301  aaaaggagca gtcgcacaga cctttcctca tgctgcaggc ccggcagtct gaagaccacc ctcatcgccg gcgtcggcgg ggcttggagt gtgatggcaa
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1501  gagggtgagt gcccgagcca tatagcaggc acgtccgggt cctcactgtc cttccactca acagtcatca accactaccg catgcggggc catagcccct
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1701  catgatcgtg gaggagtgtg ggtgctcata aggcgcgcca gtatactcta gagtcgacac ccggggaatt cctcgagcgc tcgtctctag cttggcgtaa
1801  tcatggtcat agctgtttcc tgtgtgaaat tgttatccgc tcacaattcc acacaacata cgagccggaa gcataaagtg taaagcctgg ggtgcctaat
1901  gagtgagcta actcacatta attgcgttgc gctcactgcc cgctttccag tcgggaaacc tgtcgtgcca gctgcattaa tgaatcggcc aacgcgcggg
2001  gagaggcggt ttgcgtattg ggcgctcttc cgcttcctcg ctcactgact cgctgcgctc ggtcgttcgg ctgcggcgag cggtatcagc tcactcaaag
2101  gcggtaatac ggttatccac agaatcaggg gataacgcag gaaagaacat gtgagcaaaa ggccagcaaa aggccaggaa ccgtaaaaag gccgcgttgc
2201  tggcgttttt ccataggctc cgcccccctg acgagcatca caaaaatcga cgctcaagtc agaggtggcg aaacccgaca ggactataaa gataccaggc
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2901  ccttttaaat taaaaatgaa gttttaaatc aatctaaagt atatatgagt aaacttggtc tgacagttac caatgcttaa tcagtgaggc acctatctca
3001  gcgatctgtc tatttcgttc atccatagtt gcctgactcc ccgtcgtgta gataactacg atacgggagg gcttaccatc tggccccagt gctgcaatga
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3601  ccacatagca gaactttaaa agtgctcatc attggaaaac gttcttcggg gcgaaaactc tcaaggatct taccgctgtt gagatccagt tcgatgtaac
3701  ccactcgtgc acccaactga tcttcagcat cttttacttt caccagcgtt tctgggtgag caaaaacagg aaggcaaaat gccgcaaaaa agggaataag
3801  ggcgacacgg aaatgttgaa tactcatact cttcctttttt caatattatt gaagcattta tcagggttat tgtctcatga gcggatacat atttgaatgt
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4001  ataggcgtat cacgaggccc tttcgtc
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> RDC3760 Translated Insert Sequence

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 101  veieddigrr aemnelmeqt seiitfaesg tarktlhfei skegsdlsvv eraevwlflk vpkanrtrtk vtirlfqqqk hpqgsldtge eaeevglkge
 201  rselllsekv vdarkstwhv fpvsssiqrl ldqgkssldv riaceqcqes gaslvllgkk kkkeeegegk kkgggeggag adeekeqshr pflmlqarqs
 301  edhphrrrrr glecdgkvni cckkqffvsf kdigwndwii apsgyhanyc egecpshiag tsgsslsfhs tvinhyrmrg hspfanlksc cvptklrpms
 401  mlyyddgqni ikkdiqnmiv eecgcs
```