# *h*EBI3 VersaClone cDNA

**Catalog Number: RDC2194**

## Specifications:

| | |
|---|---|
| Gene: | *h*EBI3 |
| Accession: | NP_005746 |
| Insert size: | 703bp |
| 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*EBI3 cDNA Plasmid

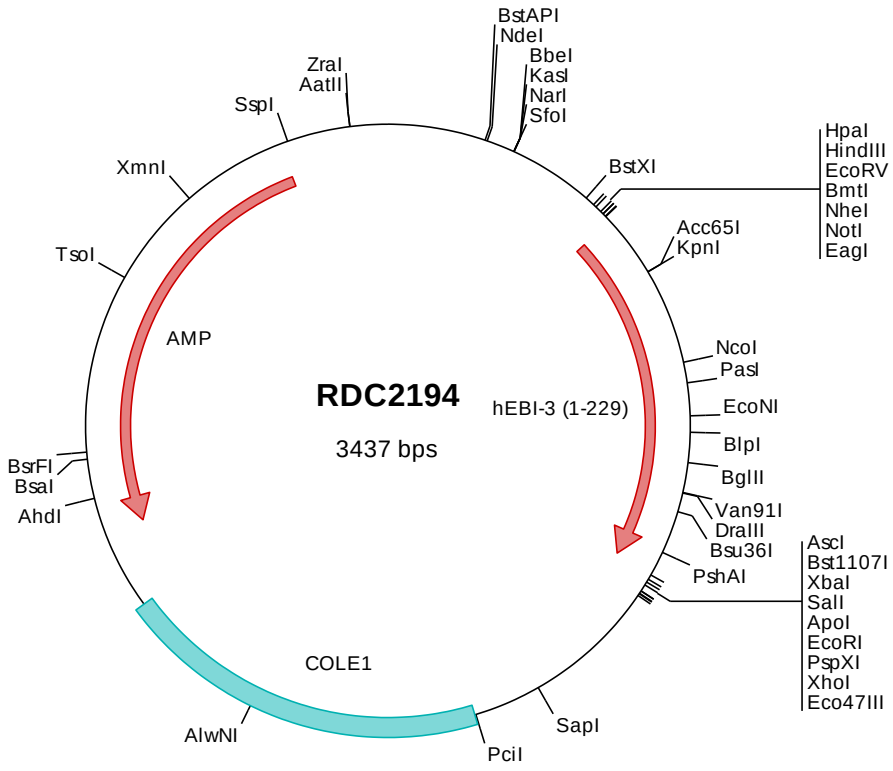
**EBI3 Epstein-Barr virus induced 3**

**[ *Homo sapiens* (human) ]**

**Also known as:** IL27B; IL35B; IL-27B

**Summary:**

EBI3 is a secreted glycoprotein belonging to the hematopoietin receptor family, and heterodimerizes with a 28 kDa protein to form interleukin 27 (IL-27) or with a 35kDa protein to form interleukin 35 (IL-35). IL-27 regulates T cell and inflammatory responses, in part by activating the Jak/STAT pathway of CD4+ T cells. IL-35 also regulates inflammation and immune responses by inducing regulatory T-cells and regulatory B cells while suppressing effector T cells and macrophages. EBI3 was identified by its induced expression in B lymphocytes in response Epstein-Barr virus infection.

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NOT FOR USE IN HUMANS

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## > RDC2194 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 atgaccccgc agcttctcct ggcccttgtc ctctgggcca gctgcccgcc
 501  ctgcagtgga aggaaagggc ccccagcagc tctgacactg ccccgggtgc aatgccgagc ctctcggtac ccgatcgccg tggattgctc ctggaccctg
 601  ccgcctgctc caaactccac cagccccgtg tccttcattg ccacgtacag gctcggcatg gctgcccggg gccacagctg gccctgcctg cagcagacgc
 701  caacgtccac cagctgcacc atcacggatg tccagctgtt ctccatggct ccctacgtgc tcaatgtcac cgccgtccac ccctggggct ccagcagcag
 801  cttcgtgcct ttcataacag agcacatcat caagcccgac cctccagaag gcgtgcgcct aagccccctc gctgagcgcc agctacaggt gcagtgggag
 901  cctcccgggt cctggccctt cccagagatc ttctcactga agtactggat ccgttacaag cgtcagggag ctgcgcgctt ccaccgggtg gggcccattg
1001  aagccacgtc cttcatcctc agggctgtgc ggccccgagc caggtactac gtccaagtgg cggctcagga cctcacagac tacggggaac tgagtgactg
1101  gagtctcccc gccactgcca caatgagcct tggtaagtaa aggcgcgcca gtatactcta gagtcgacac ccggggaatt cctcgagcgc tcgtctctag
1201  cttggcgtaa tcatggtcat agctgtttcc tgtgtgaaat tgttatccgc tcacaattcc acacaacata cgagccggaa gcataaagtg taaagcctgg
1301  ggtgcctaat gagtgagcta actcacatta attgcgttgc gctcactgcc cgctttccag tcgggaaacc tgtcgtgcca gctgcattaa tgaatcggcc
1401  aacgcgcggg gagaggcggt ttgcgtattg ggcgctcttc cgcttcctcg ctcactgact cgctgcgctc ggtcgttcgg ctgcggcgag cggtatcagc
1501  tcactcaaag gcggtaatac ggttatccac agaatcaggg gataacgcag gaaagaacat gtgagcaaaa ggccagcaaa aggccaggaa ccgtaaaaag
1601  gccgcgttgc tggcgttttt ccataggctc cgccccctg acgagcatca caaaaatcga cgctcaagtc agaggtggcg aaacccgaca ggactataaa
1701  gataccaggc gtttcccccct ggaagctccc tcgtgcgctc tcctgttccg accctgccgc ttaccggata cctgtccgcc tttctccctt cgggaagcgt
1801  ggcgctttct caatgctcac gctgtaggta tctcagttcg gtgtaggtcg ttcgctccaa gctgggctgt gtgcacgaac cccccgttca gcccgaccgc
1901  tgcgccttat ccggtaacta tcgtcttgag tccaacccgg taagacacga cttatcgcca ctggcagcag ccactggtaa caggattagc agagcgaggt
2001  atgtaggcgg tgctacagag ttcttgaagt ggtggcctaa ctacggctac actagaagga cagtatttgg tatctgcgct ctgctgaagc cagttacctt
2101  cggaaaaaga gttggtagct cttgatccgg caaacaaacc accgctggta gcggtggttt ttttgtttgc aagcagcaga ttacgcgcag aaaaaaagga
2201  tctcaagaag atcctttgat cttttctacg gggtctgacg ctcagtggaa cgaaaactca cgttaaggga ttttggtcat gagattatca aaaaggatct
2301  tcacctagat ccttttaaat taaaaatgaa gttttaaatc aatctaaagt atatatgagt aaacttggtc tgacagttac caatgcttaa tcagtgaggc
2401  acctatctca gcgatctgtc tatttcgttc atccatagtt gcctgactcc ccgtcgtgta gataactacg atacgggagg gcttaccatc tggccccagt
2501  gctgcaatga taccgcgaga cccacgctca ccggctccag atttatcagc aataaaccag ccagccggaa gggccgagcg cagaagtggt cctgcaactt
2601  tatccgcctc catccagtct attaattgtt gccgggaagc tagagtaagt agttcgccag ttaatagttt gcgcaacgtt gttgccattg ctacaggcat
2701  cgtggtgtca cgctcgtcgt ttggtatggc ttcattcagc tccggttccc aacgatcaag gcgagttaca tgatccccca tgttgtgcaa aaaagcggtt
2801  agctccttcg gtcctccgat cgttgtcaga agtaagttgg ccgcagtgtt atcactcatg gttatggcag cactgcataa ttctcttact gtcatgccat
2901  ccgtaagatg cttttctgtg actggtgagt actcaaccaa gtcattctga gaatagtgta tgcggcgacc gagttgctct tgcccggcgt caatacggga
3001  taataccgcg ccacatagca gaacttaaa agtgctcatc attggaaaac gttcttcggg gcgaaaactc tcaaggatct taccgctgtt gagatccagt
3101  tcgatgtaac ccactcgtgc acccaactga tcttcagcat cttttacttt caccagcgtt tctgggtgag caaaaacagg aaggcaaaat gccgcaaaaa
3201  agggaataag ggcgacacgg aaatgttgaa tactcatact cttccttttt caatattatt gaagcattta tcagggttat tgtctcatga gcggatacat
3301  atttgaatgt atttagaaaa ataaacaaat aggggttccg cgcacatttc cccgaaaagt gccacctgac gtctaagaaa ccattattat catgacatta
3401  acctataaaa ataggcgtat cacgaggccc tttcgtc
```

## > RDC2194 Translated Insert Sequence

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101  pyvlnvtavh pwgssssfvp fitehiikpd ppegvrlspl aerqlqvqwe ppgswpfpei fslkywiryk rqgaarfhrv gpieatsfil ravrpraryy
201  vqvaaqdltd ygelsdwslp atatmslgk
```