

## Specifications:

|                |                  |
|----------------|------------------|
| Gene:          | <i>cynoCKB</i>   |
| Accession:     | XP_045253001.1   |
| Insert size:   | 1159bp           |
| 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. |

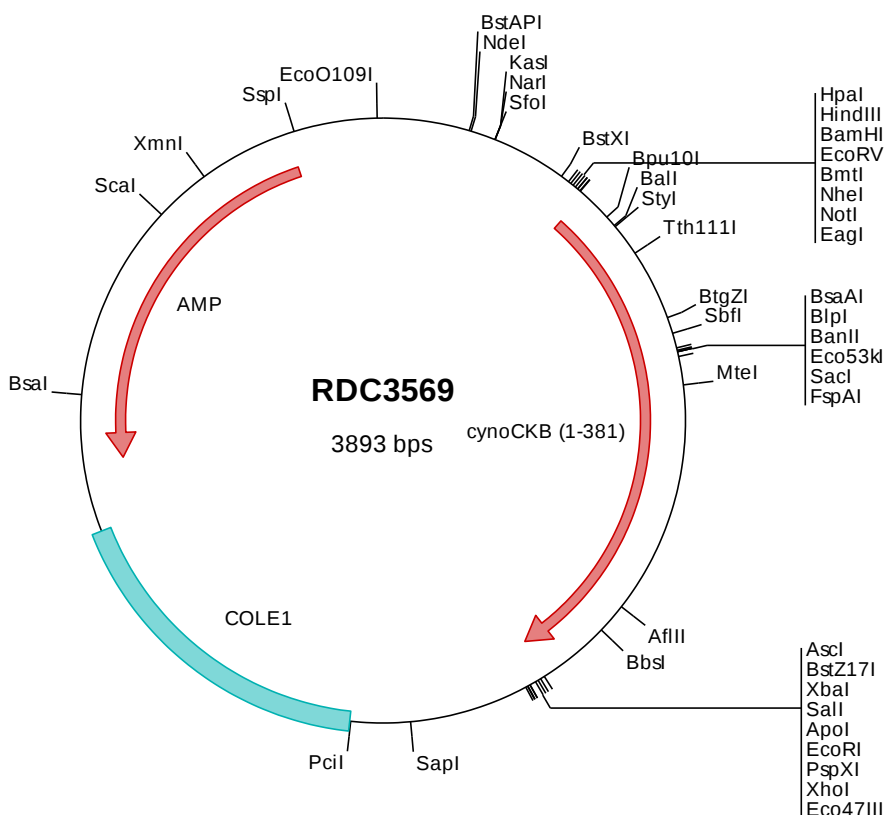
## cynoCreatine Kinase BB cDNA Plasmid

**CKB creatine kinase B [ *Macaca fascicularis* (crab-eating macaque) ]**

**Also known as:** BCK; B-CK; CKBB; CPK-B; HEL-211; HEL-S-29

### Summary:

CKB is a cytoplasmic enzyme involved in energy homeostasis. It reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. CKB acts as a homodimer in brain as well as in other tissues, and as a heterodimer with a similar muscle isozyme in heart. It is a member of the ATP:guanido phosphotransferase protein family. A pseudogene of this gene has been characterized.



## > RDC3569 Plasmid DNA Sequence

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## > RDC3569 Translated Insert Sequence

```

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```