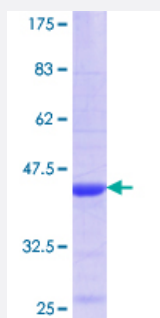


# BCR (Human) Recombinant Protein (Q01)

Catalog # H00000613-Q01

Size 25 ug, 10 ug

## Applications



## Specification

|                                |                                                                                                           |
|--------------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Human BCR partial ORF ( NP_004318.3, 182 a.a. - 280 a.a.) recombinant protein with GST-tag at N-terminal. |
| <b>Sequence</b>                | FHHERGLVKVNDKEVSDRISSLGSQAMQMERKKSQHGAGSSVGDASRPPYRGRSSESSCGVD<br>GDYEDAELNPRFLKDNLDANGGSRPPWPPLEYQPYQ    |
| <b>Host</b>                    | Wheat Germ (in vitro)                                                                                     |
| <b>Theoretical MW (kDa)</b>    | 36.63                                                                                                     |
| <b>Preparation Method</b>      | <a href="#">in vitro wheat germ expression system</a>                                                     |
| <b>Purification</b>            | Glutathione Sepharose 4 Fast Flow                                                                         |
| <b>Quality Control Testing</b> | 12.5% SDS-PAGE Stained with Coomassie Blue.                                                               |
| <b>Storage Buffer</b>          | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                  |
| <b>Storage Instruction</b>     | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                           |
| <b>Note</b>                    | Best use within three months from the date of receipt of this protein.                                    |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — BCR

**Entrez GeneID** [613](#)

**GeneBank Accession#** [NM\\_004327](#)

**Protein Accession#** [NP\\_004318.3](#)

**Gene Name** BCR

**Gene Alias** ALL, BCR-ABL1, BCR1, CML, D22S11, D22S662, FLJ16453, PHL

**Gene Description** breakpoint cluster region

**Omim ID** [151410 608232](#)

**Gene Ontology** [Hyperlink](#)

**Gene Summary** A reciprocal translocation between chromosomes 22 and 9 produces the Philadelphia chromosome, which is often found in patients with chronic myelogenous leukemia. The chromosome 22 breakpoint for this translocation is located within the BCR gene. The translocation produces a fusion protein which is encoded by sequence from both BCR and ABL, the gene at the chromosome 9 breakpoint. Although the BCR-ABL fusion protein has been extensively studied, the function of the normal BCR gene product is not clear. The protein has serine/threonine kinase activity and is a GTPase-activating protein for p21rac. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**Other Designations** bcr-abl1 e14a3 chimeric protein

## Pathway

- [Chronic myeloid leukemia](#)
- [Pathways in cancer](#)

## Disease

- [Alzheimer disease](#)
- [Angina Pectoris](#)
- [Bipolar Disorder](#)
- [Brief Psychiatric Rating Scale](#)
- [Chromosome Breakage](#)
- [Coronary Vasospasm](#)
- [Depressive Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Pulmonary Disease](#)
- [Small Cell Lung Carcinoma](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)