Recombinant Human Breakpoint Cluster Region,GST-tagged

Cat. No. BCR-1436H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human BCR (1-695) was expressed by baculovirus in*Sf9insect cell*susing an N-terminal GST tag. MW = 120kDa.
Species	Human
Source	Sf9 Cells
ProteinLength	1-695 a.a.
Description	BCR (also known as breakpoint cluster region) encodes a phosphoprotein that has serine/threonine kinase activity. The human c-ABL oncogene is translocated from chromosome 9 to a region on chromosome 22 (associated with BCR) in chronic myelocytic leukemia. In classical t(9;22) translocation, as observed in chronic granulocytic leukemia (CGL), a hybrid DNA unit is produced comprising the BCR gene product plus the translocated c-ABL gene from chromosome 9. The BCR-ABL hybrid protein (p210) is formed that displays increased tyrosine kinase activity. A similar DNA rearrangement of the p210 protein is also found in cases of Philadelphia-positive acute lymphoblastic leukemia (ALL).
Sequence	1-695.
Applications	Western Blot.
Storage And Stability	Store product at -70℃. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

Gene Name	BCR breakpoint cluster region [Homo sapiens]
Synonyms	BCR; breakpoint cluster region; ALL; CML; PHL; BCR1; D22S11; D22S662; FLJ16453
Gene ID	613
mRNA Refseq	NM_004327
Protein Refseq	NP_004318
MIM	151410
UniProt ID	P11274
Chromosome Location	22q11; 22q11.23
Pathway	Chronic myeloid leukemia; Pathways in cancer; Signaling by Rho GTPases
Function	ATP binding; GTPase activator activity; Rho guanyl-nucleotide exchange factor activity; guanyl-nucleotide exchange factor activity; kinase activity; nucleotide binding; protein serine/threonine kinase activity; transferase activity

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA