Active Recombinant Human BCR/RET protein, GST-tagged

Cat. No. BCR-25H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BCR/RET(1-426 (BCR); 713-end (RET)) fused with GST tag at N-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	1-426;713-end a.a.
Description	BCR-RET is a chimaeric fusion of BCR and RET genes generated by a balanced translocation of genes from t(10;22)(q11;q11) and this leads to aberrant activation of RET activity which can transform hematopoietic cells and skew the hematopoietic differentiation program towards the monocytic/macrophage lineage (1). The BCR-RET fusion is frequently found in chronic myelomonocytic leukemia (CMML) cases. The RET fusion genes seem to constitutively mimic the same signaling pathway as RAS mutations frequently involved in CMML.
Form	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Bio-activity	110 nmol/min/mg
Molecular Mass	140 kDa
Purity	> 80%

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

Applications	Kinase Assay
Stability	1 year at -70 centigrade from the date of shipment
Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1 ug/ul

GENE INFORMATION

Gene Name	BCR breakpoint cluster region [Homo sapiens]
Official Symbol	BCR
Synonyms	BCR; breakpoint cluster region; BCR1, D22S11; breakpoint cluster region protein; ALL; CML; D22S662; PHL; renal carcinoma antigen NY-REN-26; BCR1; D22S11; FLJ16453;
Gene ID	613
mRNA Refseq	NM_004327
Protein Refseq	NP_004318
MIM	151410
UniProt ID	P11274
Chromosome Location	22q11

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

Pathway	Chronic myeloid leukemia, organism-specific biosystem; Chronic myeloid leukemia, conserved biosystem; Pathways in cancer, organism-specific biosystem; Regulation of RAC1 activity, organism-specific biosystem; Regulation of RhoA activity, organism-specific biosystem; Rho GTPase cycle, organism-specific biosystem; Signal Transduction, organism-specific biosystem;
Function	ATP binding; GTPase activator activity; Rac 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