

Recombinant Human BRAF Protein, Full Length, GST tagged

Cat. No. BRAF-12HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human BRAF protein (Full Length) with GST tag was expressed in insect cells.
Species	Human
Source	Insect cells
ProteinLength	Full Length
Description	This gene encodes a protein belonging to the RAF family of serine/threonine protein kinases. This protein plays a role in regulating the MAP kinase/ERK signaling pathway, which affects cell division, differentiation, and secretion. Mutations in this gene, most commonly the V600E mutation, are the most frequently identified cancer-causing mutations in melanoma, and have been identified in various other cancers as well, including non-Hodgkin lymphoma, colorectal cancer, thyroid carcinoma, non-small cell lung carcinoma, hairy cell leukemia and adenocarcinoma of lung. Mutations in this gene are also associated with cardiofaciocutaneous, Noonan, and Costello syndromes, which exhibit overlapping phenotypes. A pseudogene of this gene has been identified on the X chromosome.
Form	Liquid
Molecular Mass	113.6 kDa
Applications	Kinase Assay (KA)

 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

Storage	At -80 centigrade, Avoid Freeze/Thaw Cycles
Storage Buffer	50mM tris, pH 7.5, with 50% glycerol, 0.02% Triton X-100, 150mM NaCl, 0.5mM EDTA, 2mM DTT
Shipping	Dry ice

GENE INFORMATION

Gene Name	BRAF B-Raf proto-oncogene, serine/threonine kinase [Homo sapiens (human)]
Official Symbol	BRAF
Synonyms	BRAF; B-Raf proto-oncogene, serine/threonine kinase; NS7; B-raf; BRAF1; RAFB1; B-RAF1; BRAF-1; serine/threonine-protein kinase B-raf; 94 kDa B-raf protein; B-Raf proto-oncogene serine/threonine-protein kinase (p94); B-Raf serine/threonine-protein; murine sarcoma viral (v-raf) oncogene homolog B1; proto-oncogene B-Raf; v-raf murine sarcoma viral oncogene homolog B; v-raf murine sarcoma viral oncogene homolog B1; EC 2.7.11.1
Gene ID	673
mRNA Refseq	NM_004333
Protein Refseq	NP_004324
MIM	164757
UniProt ID	P15056

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