

Recombinant Human BRAF protein, MYC/DDK-tagged

Cat. No. BRAF-174H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human BRAF(V600E mutant) fused with MYC/DDK tag at C-terminal was expressed in HEK293.

Species Human

Source HEK293

Description This gene encodes a protein belonging to the raf/mil family of serine/threonine protein kinases. This protein plays a role in regulating the MAP kinase/ERKs signaling pathway, which affects cell division, differentiation, and secretion. Mutations in this gene are associated with cardiofaciocutaneous syndrome, a disease characterized by heart defects, mental retardation and a distinctive facial appearance. Mutations in this gene have also been associated with various cancers, including non-Hodgkin lymphoma, colorectal cancer, malignant melanoma, thyroid carcinoma, non-small cell lung carcinoma, and adenocarcinoma of lung. A pseudogene, which is located on chromosome X, has been identified for this gene.

Form 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

Molecular Mass 84 kDa

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.

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Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name BRAF v-raf murine sarcoma viral oncogene homolog B1 [Homo sapiens]

Official Symbol BRAF

Synonyms BRAF; v-raf murine sarcoma viral oncogene homolog B1; serine/threonine-protein kinase B-raf; BRAF1; p94; 94 kDa B-raf protein; proto-oncogene B-Raf; murine sarcoma viral (v-raf) oncogene homolog B1; B-Raf proto-oncogene serine/threonine-protein kinase (p94); NS7; RAFB1; B-RAF1; FLJ95109; MGC126806; MGC138284;

Gene ID 673

mRNA Refseq NM_004333

Protein Refseq NP_004324

MIM 164757

UniProt ID P15056

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