Recombinant Human BRAF protein, MYC/DDK-tagged

Cat. No. BRAF-179H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BRAF(V600M 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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