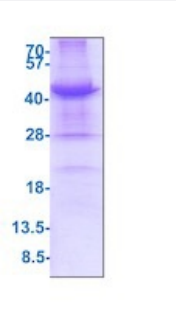
BRAF (Human) Recombinant Protein

Catalog # P7774 Size 100 ug

Applications



SDS-PAGE analysis of BRAF (Human) Recombinant Protein

Specification

Product Description	Human BRAF (NP_004324.2, 432 a.a. - 766 a.a) partial recombinant protein with His tag expressed in *Escherichia coli*.
Sequence	MGSSHHHHHHSSGLVPRGSHMGSEFSEDRNRMKTLGRRDSSDDWEIPDGQITVGQRIGSGSFG TVYKGKWHGDVAVKMLNVTAPTPQQLQAFKNEVGVLRKTRHVNILLFMGYSTKPQLAIVTQWCE GSSLYHHLHIIETKFEMIKLIDIARQTAQGMDYLHAKSIIHRDLKSNNIFLHEDLTVKIGDFGLATVKSR WSGSHQFEQLSGSILWMAPEVIRMQDKNPYSFQSDVYAFGIVLYELMTGQLPYSNINNRDQIIFMV GRGYLSPDLSKVRSNCPKAMKRLMAECLKKKRDERPLFPQILASIELLARSLPKIHRSASEPSLNR AGFQTEDFSLYACASPKTPIQAGGYGAFPVH
Host	Escherichia coli
Theoretical MW (kDa)	40.6
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purity	> 80% by SDS-PAGE
Quality Control Testing	3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain. SDS-PAGE analysis of BRAF (Human) Recombinant Protein

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Recommend Usage	SDS-PAGE Denatured The optimal working dilution should be determined by the end user.
Storage Buffer	In 20mM Tris-HCl buffer, pH8.0 (10% glycerol).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — BRAF

Entrez GeneID	673
Protein Accession#	P15056
Gene Name	BRAF
Gene Alias	B-RAF1, BRAF1, FLJ95109, MGC126806, MGC138284, RAFB1
Gene Description	v-raf murine sarcoma viral oncogene homolog B1
Omim ID	115150 164757 211980
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein belonging to the raf/mil family of serine/threonine protein kinases. Th is protein plays a role in regulating the MAP kinase/ERKs signaling pathway, which affects cell div ision, differentiation, and secretion. Mutations in this gene are associated with cardiofaciocutane ous syndrome, a disease characterized by heart defects, mental retardation and a distinctive faci al appearance. Mutations in this gene have also been associated with various cancers, including non-Hodgkin lymphoma, colorectal cancer, malignant melanoma, thyroid carcinoma, non-small cel l lung carcinoma, and adenocarcinoma of lung. A pseudogene, which is located on chromosome X, has been identified for this gene. [provided by RefSeq
Other Designations	94 kDa B-raf protein|B-Raf proto-oncogene serine/threonine-protein kinase (p94)|Murine sarcom a viral (v-raf) oncogene homolog B1

Pathway

- Acute myeloid leukemia

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- Bladder cancer
- Chemokine signaling pathway
- Chronic myeloid leukemia
- Colorectal cancer
- Endometrial cancer
- ErbB signaling pathway
- Focal adhesion
- Glioma
- Insulin signaling pathway
- Long-term depression
- Long-term potentiation
- MAPK signaling pathway
- Melanoma
- mTOR signaling pathway
- Natural killer cell mediated cytotoxicity
- Neurotrophin signaling pathway
- Non-small cell lung cancer
- Pancreatic cancer
- Pathways in cancer
- Prostate cancer
- Regulation of actin cytoskeleton
- Renal cell carcinoma
- Thyroid cancer
- Vascular smooth muscle contraction

Disease

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- Abnormalities
- Adenocarcinoma
- Adenoma
- Adrenal Cortex Neoplasms
- Alcoholism
- Articulation Disorders
- Astrocytoma
- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Cell Transformation
- Chromosomal Instability
- Chromosome Aberrations
- Cognition
- Cognition Disorders
- Colon cancer
- Colonic Neoplasms
- Colonic Polyps
- Colorectal Neoplasms
- Common Bile Duct Neoplasms
- Craniofacial Abnormalities
- Cystadenocarcinoma
- Cystadenoma
- Developmental Disabilities
- Dilatation

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- Disease Progression
- Diseases in Twins
- Dyslexia
- Ectodermal Dysplasia
- Endometrial Hyperplasia
- Endometrial Neoplasms
- Endometriosis
- Eosinophilia
- Esophageal Neoplasms
- Gastrointestinal Stromal Tumors
- Genetic Predisposition to Disease
- Glioma
- Goiter
- Hashimoto Disease
- Head and Neck Neoplasms
- Hearing
- Heart Defects
- Hyperpigmentation
- Hyperplasia
- Immunologic Deficiency Syndromes
- Language Disorders
- Liver Neoplasms
- Lung Neoplasms
- Lymphatic Metastasis
- Lymphoma
- Malignant melanoma

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- Melanoma
- Memory
- Microsatellite Instability
- Motor Skills
- Nasopharyngeal Neoplasms
- Necrosis
- Neoplasm Invasiveness
- Neoplasm Metastasis
- Neoplasm Recurrence
- Neoplasms
- Nerve Sheath Neoplasms
- Neurofibromatosis
- Neurofibromatosis 1
- Nevus
- Noonan Syndrome
- Obesity
- Ovarian cancer
- Ovarian Neoplasms
- Pancreatic cancer
- Pancreatic Neoplasms
- Papillomavirus Infections
- Precancerous Conditions
- Prostatic Neoplasms
- Ras oncogene
- Rectal Neoplasms
- Recurrence

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- Salivary Gland Neoplasms
- Skin Neoplasms
- Stomach Neoplasms
- Syndrome
- Testicular Neoplasms
- Thyroid Diseases
- Thyroid Neoplasms
- Thyroid Nodule
- Thyroiditis
- Tobacco Use Disorder
- Urinary Bladder Neoplasms

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