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BRAF, 432-766aa, Human, His tag, E.coli

产品货号: TP01364

第三版

别名: Serine/threonine-protein kinase B-raf, B-RAF1, BRAF1, NS7, RAFB1

描述: BRAF belongs 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. Recombinant human BRAF protein, fused to His-tag at N-terminus, was expressed in E.coli.

配方: Liquid, In 20mM Tris-HCl (pH8.0) containing 10% glycerol

分子量: 40.6 kDa (360aa)

序列:

MGSSHHHHHSSGLVPRGSHMGSEFSEDRNRMKTLGRRDSSDDWEIPDGQITVGQRIGSGSFGTVYK GKWHGDVAVK
MLNVTAPTQQQLQAFKNEVGVLKTRHVNILLFMGYSTKPQLAIVTQWCEGSSLYHHLHIIETKFEMIKLIDIARQTAQG
MDYLHAKSIIHRDLKSNINFLHEDLTVKIGDFGLATVKSRSWGSQFEQLSGSILWMAPEVIRMQDKNPYSFQSDVYAFGI
VLYELMTGQLPYSNINNRDQIIFMVGRGYLSPDLKVRSNCPKAMKRLMAECLKKRDERPLFPQILASIELLARSLPKIHRS
ASEPSLN RAGFQTEDFSLYACASPKTPIQAGGYGAFPVH

纯度: > 95% by HPLC

浓度: 0.25 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.