

## 32-6957: BRAF Human

**Alternative Name :** Proto-Oncogene B-Raf, BRAF1, RAFB1, NS7, EC 2.7.11.1, B-RAF1, P94.

### Description

Source: Escherichia Coli.

Sterile Filtered colorless solution.

B-Raf Proto-Oncogene, also known as BRAF is a member of the raf/mil family of serine/threonine protein kinases. BRAF participates in regulating the MAP kinase/ERKs signaling pathway, which eventually have an effect on cell division, differentiation, and secretion. Mutations in BRAF have been associated with cardiofaciocutaneous syndrome, which is a disease characterized by heart defects, mental retardation and a distinctive facial appearance. In addition, mutations in BRAF have also been associated with different cancers, including non-Hodgkin lymphoma, colorectal cancer, malignant melanoma, thyroid carcinoma, non-small cell lung carcinoma, as well as adenocarcinoma of lung.

BRAF Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 360 amino acids (432-766a.a) and having a molecular mass of 40.6kDa. BRAF is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 5 µg / 20 µg

**Purification :** Greater than 80.0% as determined by SDS-PAGE.

**Content :** BRAF protein solution (0.25mg/ml) containing 20mM Tris-HCl (pH8.0) and 10% glycerol.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSEFSEDNRN RMKTLGRRDS SDDWEIPDGQ ITVGQRIGSG  
SFGTVYKKGW HGDVAVKMLN VTAPTQQQLQ AFKNEVGVLK KTRHVNILF MGYSTKPQLA IVTQWCEGSS  
LYHHLHIET KFEMIKLIDI ARQTAQGMDY LHAKSIIHRD LKSNNIFLHE DLTVKIGDFG LATVKSRSWSG  
SHQFEQLSGS ILWMAPEVIR MQDKNPYSFQ SDVYAFGIVL YELMTGQLPY SNINNRDQII FMVGRGYLSP  
DLSKVRSNCP KAMKRLMAEC LKKKRDERPL FPQILASIEL LARSLPKIHR SASEPSLNRA GFQTEDFSLY  
ACASPKTPIQ AGGYGAFPVH.