
Product Data Sheet

Product Name: BRAF Human
 Cat. No.: GP22427
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Proto-Oncogene B-Raf; BRAF1; RAFB1; NS7;EC 2.7.11.1; B-RAF1; P94.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSEFSEDRN RMKTLGRRDS SDDWEIPDGQ ITVGQRIGSG SFGTVYK GKWHGDVAVKMLN VTAPTPQQLQ AFKNEVGVLR KTRHVNILLF MGYSTKPQLA IVTQWCEGSS LYHHLHIIETKFEMIKLIDI ARQTAQGMDY LHAKSIIHRD LKSNNIFLHE DLTVKIGDFG LATVKSRSWSG SHQFEQLSGSILWMAPEVIR MQDKNPYSFQ SDVYAFGIVL YELMTGQLPY SNINNRDQII FMVGRGYLSP DLSKVRSNCPKAMKRLMAEC LKKRDERPL FPQILASIEL LARSLPKIHR SASEPSLNRA GFQTEDFSLY ACASPKTPIQAGGYGAFPVH.		
Formulation	BRAFprotein solution (0.25mg/ml) containing 20mM Tris-HCl (pH8.0) and 10% glycerol.		

Introduction

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

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

Background

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.

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