

Recombinant human B-Raf protein

Catalog Number: ATGP2924

PRODUCT INFORMATION

Expression system

E.coli

Domain

432-766aa

UniProt No.

P15056

NCBI Accession No.

NP_004324.2

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

40.6 kDa (360aa)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 80% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

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

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been identified for this gene. Recombinant human BRAF protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

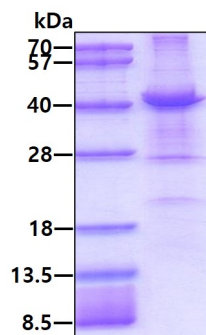
<MGSSHHHHHH SSGLVPRGSH MGSEF>SEDRN RMKTLGRRDS SDDWEIPDGQ ITVGQRIGSG SFGTVYKGGK
HGDVAVKMLN VTAPTPQQLQ AFKNEVGVLR KTRHVNILLF MGYSTKPQLA IVTQWCEGSS LYHHLHIIET KFEMIKLIDI
ARQTAQGMDY LHAKSIIHRD LKSNNIFLHE DLTVKIGDFG LATVKSRSWSG SHQFEQLSGS ILWMAPEVIR MQDKNPYSFQ
SDVYAFGIVL YELMTGQLPY SNINNRDQII FMVGRGYLSP DLSKVRSNCP KAMKRLMAEC LKKKRDERPL FPQILASIEL
LARSLPKIHR SASEPSLNRA GFQTEDFS LY ACASPKTPIQ AGGYGAFPVH

General References

Brennan D.F., et al. (2011) Nature 472:366-369

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.