

BRAF recombinant protein

BRAF, 432-766aa, Human, His tag, E Coli (Denatured)

CATALOG # AAA48888	HOST E Coli	APPLICATIONS SDS-Page
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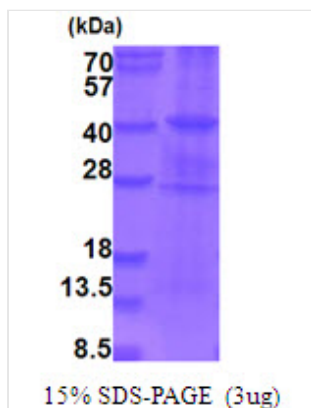
PRODUCT SYNONYMS

BRAF; 432-766aa; Human; His tag; E Coli (Denatured); Serine/threonine-protein kinase B-raf; B-RAF1; BRAF1; NS7; RAFB1; BRAF recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 80% by SDS-PAGE
Form/Format	Liquid, In 20mM Tris-HCl (pH 8.0) containing 10% glycerol
Concentration	0.25 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MGSEFSEDNRN RMKTLGRRDS SDDWEIPDGQ ITVGQRIGSG SFGTVYKGKW HGDVAVKMLN VTAPTQQLQ AFKNEVGVL R KTRHVNILLF MGYSTKPQLA IVTQWCEGSS LYHHLHIIET KFEMIKLIDI ARQTAQGMDY LHA KSIIHRD LKSNNIFLHE DLT VKIGDFG LATVKS RWSG SHQFEQLSGS ILWMAPEVIR MQDKNPYSFQ SDVYAFGIVL YELMTGQLPY SNINNRDQII FMVGRGYLSP DLSKVR SNCP KAMKRLMAEC LKKKRDERPL FPQILASIEL LARSLPKIHR SASEPSLNRA GFQTEDFSLY ACASPKTPIQ AGGYGAFPVH
Sequence Length	766
Applicable Applications for BRAF recombinant protein	SDS-PAGE
Tag Information	His-tag
Domain	432-766aa
Preparation and Storage	Can be stored at 2-8 degree C for 1 week. For long term storage, aliquot and store at -20 degree C or -80 degree C. Avoid repeated freezing and thawing cycles

IMAGES



SDS-PAGE

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

ADDITIONAL INFORMATION

Related Product Information for BRAF recombinant protein	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.
Product Categories/Family for BRAF recombinant protein	Apoptosis
References	Brennan D.F., et al. (2011) Nature 472:366-369

NCBI AND UNIPROT INFORMATION

NCBI GI #	33188459
NCBI GeneID	673
NCBI Accession #	NP_004324
NCBI GenBank Nucleotide #	NP_004324.2
UniProt Accession #	P15056; Q13878; Q3MIN6; Q9UDP8; Q9Y6T3; A4D1T4; B6HY61; B6HY62; B6HY63; B6HY64; B6HY65; B6HY66
Molecular Weight	40.6 kDa (360aa)
NCBI Official Full Name	serine/threonine-protein kinase B-raf isoform 1
NCBI Official Synonym Full Names	B-Raf proto-oncogene, serine/threonine kinase
NCBI Official Symbol	BRAF
NCBI Official Synonym Symbols	NS7; B-raf; BRAF1; RAFB1; B-RAF1
NCBI Protein Information	serine/threonine-protein kinase B-raf
UniProt Protein Name	Serine/threonine-protein kinase B-raf
UniProt Gene Name	BRAF
UniProt Synonym Gene Names	BRAF1; RAFB1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.