

FAM131B-BRAF recombinant protein

FAM131B-BRAF (Fex2Bex9), Active

CATALOG # AAA73271	HOST Sf9 insect cells	APPLICATIONS Kinase Assay
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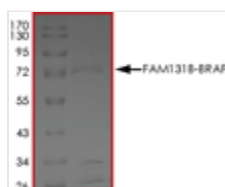
PRODUCT SYNONYMS

FAM131B-BRAF; FAM131B-BRAF (Fex2Bex9); Active; FAM131B: (none) BRAF: BRAF1; RAFB1; B-raf; MGC126806; MGC138284; FAM131B-BRAF recombinant protein

PRODUCT SPECIFICATIONS

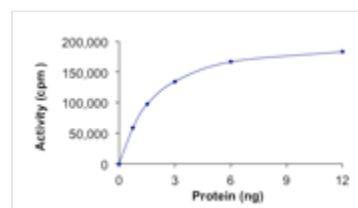
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for FAM131B-BRAF recombinant protein	Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for FAM131B-BRAF recombinant protein	Recombinant human fusion FAB131B (1-30 exon2)-BRAF (381-end or exon9-18) protein was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number of KIAA1549 is BC050543 and BRAF is NM_004333. KIAA1549-BRAF is a gene fusion resulting from a tandem duplication event involving the BRAF kinase gene that have recently been identified as the most frequent genetic alteration in many cancers. The KIAA1549-BRAF fusion typically results from a 2.0?Mb tandem duplication in chromosome band 7q34 (1). The KIAA1549:BRAF fusion gene is considered a driver genetic event in pilocytic astrocytoma and many other pediatric brain neoplasms. KIAA1549-BRAF fusion gene and BRAF (V600E) mutation may be responsible for deregulation of the Ras-RAF-ERK signaling pathway in many brain cancers (2).
Product Categories/Family for FAM131B-BRAF recombinant protein	Mutant Kinases ; Angiogenesis ; Apoptosis/Autophagy ; Cancer ; ERK/MAPK Pathway ; JAK/STAT Pathway ; Ser/Thr Kinases

References

1. Dougherty, M J. et al: Activating mutations in BRAF characterize a spectrum of pediatric low-grade gliomas. Neuro Oncol. 2010 Jul;12(7):621-30.
2. Badiali, M. et al: KIAA1549-BRAF fusions and IDH mutations can coexist in diffuse gliomas of adults. Brain Pathol. 2012 Nov;22(6):841-7.

NCBI AND UNIPROT INFORMATION

NCBI Accession #	BC050543
NCBI GenBank Nucleotide #	NM_004333
Molecular Weight	~75kDa

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.

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Online datasheet: <https://stage.aaabiotech.com/fam131b-braf-recombinant-protein-sf9-insect-cells-kinase-assay/73271>