KIAA1549-BRAF recombinant protein

KIAA1549-BRAF Mutant (Kex15Bex9), Active

CATALOG #	HOST	APPLICATIONS
AAA72955	**Sf9 insect cells using baculovirus**	**Kinase Assay**

PRODUCT SYNONYMS

KIAA1549-BRAF; KIAA1549-BRAF Mutant (Kex15Bex9); Active; KIAA1549-BRAF recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Form/Format	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Sequence Positions	1320-1643 exon15 (KIAA1549) - 381-end or exon9-18 (BRAF)
Sequence Length	12427
Applicable Applications for KIAA1549-BRAF recombinant protein	Kinase Assay
Species	Human
Tag	GST tag
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

Application Data

Application Data

ADDITIONAL INFORMATION

Related Product Information for KIAA1549-BRAF recombinant protein	Description: Recombinant human fusion KIAA1549 (1320-1643 exon15) -BRAF (381-end or exon9-18) protein was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: 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 KIAA1549-BRAF recombinant protein	Enzymes; Active Kinase Mutants

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 GI #	257467653
NCBI GeneID	57670
NCBI Accession #	NM_001164665.1
NCBI GenBank Nucleotide #	NM_001164665
UniProt Accession #	Q9HCM3; Q5BJD6; B6HY55; B6HY56; B6HY58; B6HY60; B6HY61; B6HY62; B6HY63; B6HY64; B6HY65; B6HY66
Molecular Weight	~118 kDa
NCBI Official Full Name	Homo sapiens KIAA1549 (KIAA1549), transcript variant 2, mRNA
NCBI Official Synonym Full Names	KIAA1549
NCBI Official Symbol	KIAA1549
NCBI Protein Information	UPF0606 protein KIAA1549
UniProt Protein Name	UPF0606 protein KIAA1549
UniProt Gene Name	**KIAA1549**

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/kiaa1549-recombinant-protein-sf9-insect-cells-using-baculovirus-kinase-assay/72955