FLT3 (F594_R595insR) Recombinant Protein | FLT3 recombinant protein

FLT3 (F594_R595insR), Active

CATALOG #	HOST	APPLICATIONS
AAA73567	**Sf9 insect cells**	**Kinase Assay**

PRODUCT SYNONYMS

FLT3 (F594_R595insR); Active; FLT3-ITD; FLK2; STK1; CD135; FLT3 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 FLT3 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 FLT3 recombinant protein	Recombinant human FLT3 (F594_R595insR)(571-993) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_004119. This FLT3-ITD mutant has amino acid "R" repeated at the site R595 within the juxtamembrane domain. Fms-related tyrosine kinase 3 (FLT3) is a gene that encodes for a tyrosine kinase that activates pathways in hematopoietic cells important in cellular proliferation. FLT3 is frequently mutated in acute myeloid leukemia (AML), myelodysplastic syndromes, other hematologic malignancies, and colorectal cancer. FLT3 mutations are observed in 24.3% of AML, of which internal tandem duplications (ITD) are the most frequent. FLT3 ITD occurs when sequences of less than ten to several hundred bases in length are repeated within the juxtamembrane domain are always "in-frame".
Product Categories/Family for FLT3 recombinant protein	Mutant Kinases; AKT/PKB Pathway; Angiogenesis; Cancer; ERK/MAPK Pathway; Receptor Tyrosine Kinases
References	1. http://www.mycancergenome.org/content/disease/acute-myeloid-leukemia/flt3/277/ 2. Fathi AT, et al: Treatment of FLT3-ITD acute myeloid leukemia. Am J Blood Res. 1(2):175-89, 2011

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_004119
Molecular Weight	73kDa

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/flt3-f594-r595insr-recombinant-protein-sf9-insect-cells-kinase-assay/73567