

FLT3-ITD-NPOS recombinant protein

FLT3-ITD-NPOS, Active

CATALOG # AAA73566	HOST Sf9 insect cells	APPLICATIONS Kinase Assay
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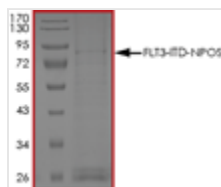
PRODUCT SYNONYMS

FLT3-ITD-NPOS; Active; FLT3-ITD; FLT3 (L610_E611insCSSDNEYFYVDFREYEYDLKWEF-PRENL); FLK2; STK1; CD135; FLT3-ITD-NPOS recombinant protein

PRODUCT SPECIFICATIONS

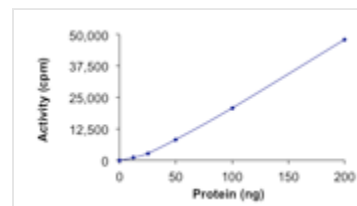
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for FLT3-ITD-NPOS recombinant protein	Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped 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-ITD-NPOS recombinant protein	Recombinant human FLT3-ITD-NPOS (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 28 amino acids "CSSDNEYFYVDFREYEYDLKWEFPRENL" repeated between the sites L610 and E611 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-ITD-NPOS 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

82kDa

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-itd-npos-recombinant-protein-sf9-insect-cells-kinase-assay/73566>