

FLT3-ITD-W51 recombinant protein

FLT3-ITD-W51 Mutant, Active

CATALOG # AAA72985	HOST Sf9 insect cells using baculovirus	APPLICATIONS Kinase Assay
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PRODUCT SYNONYMS

FLT3-ITD-W51; FLT3-ITD-W51 Mutant; Active; FLT3-ITD-NPOS Mutant; FLT3-ITD-W51 recombinant protein

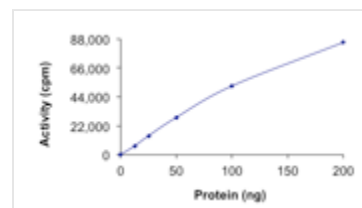
PRODUCT SPECIFICATIONS

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	571-993 (FLT3-ITD-W51)
Sequence Length	3848
Applicable Applications for FLT3-ITD-W51 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 FLT3-ITD-W51 recombinant protein	Description: Recombinant human FLT3-ITD-W51 (571-993) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: 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-W51 recombinant protein	Enzymes; Active Kinase Mutants

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
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NCBI AND UNIPROT INFORMATION

NCBI GI #	121114303
NCBI GeneID	2322
NCBI Accession #	NM_004119.2
NCBI GenBank Nucleotide #	NM_004119
UniProt Accession #	P36888; Q13414; A0AVG9; B7ZLT7; B7ZLT8; F5H0A0
Molecular Weight	76 kDa
NCBI Official Full Name	Homo sapiens fms related tyrosine kinase 3 (FLT3), transcript variant 1, mRNA
NCBI Official Synonym Full Names	fms related tyrosine kinase 3
NCBI Official Symbol	FLT3
NCBI Official Synonym Symbols	FLK2; STK1; CD135; FLK-2
NCBI Protein Information	receptor-type tyrosine-protein kinase FLT3
UniProt Protein Name	Receptor-type tyrosine-protein kinase FLT3
UniProt Gene Name	FLT3
UniProt Synonym Gene Names	CD135; FLK2; STK1; FLK-2; FLT-3; STK-1

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-recombinant-protein-sf9-insect-cells-using-baculovirus-kinase-assay/72985>