

FLT3

Recombinant Human FLT3 (aa 571-993) GST Active

Catalog No.	CRF149A	Quantity:	5 µg
	CRF149B		10 µg

Alternate Names: FLK2, STK1, CD135, FLK-2

Description: FLT3 is a receptor tyrosine kinase that has been shown to play a role in proliferation and survival of hematopoietic progenitor cells as well as differentiation of early B lymphoid progenitors. FLT3 consists of an extracellular domain composed of five immunoglobulin-like domains, one transmembrane region, and a cytoplasmic kinase domain split into two parts by a kinase-insert domain. FLT3 is the most frequently mutated gene in cases of acute myelogenous leukemia (AML). About 30% to 35% of patients have either internal tandem duplications (ITDs) in the juxtamembrane domain or mutations in the activating loop of FLT3. The consequence of either FLT3-ITD or activating loop mutations is the constitutive activation of the tyrosine kinase activity.

Gene ID: 2322

Protein Accession No: NM_004119

Source: Sf9 insect cells using an N-terminal GST tag.

Molecular Weight: ~73 kDa

Formulation: Recombinant protein stored in 50 mM Tris-HCl, pH 7.5 + 150 mM NaCl + 0.25 mM DTT + 0.1 mM EGTA + 0.1 mM EDTA + 0.1 mM PMSF + 25% glycerol.

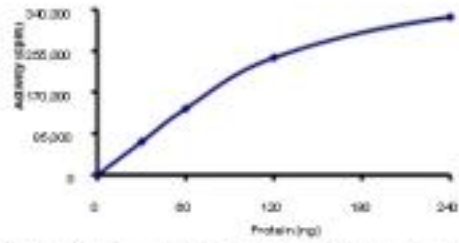
Purity: The purity of FLT3 was determined to be >90% by densitometry,

Applications: Kinase Assay, Western Blot

Storage & Stability: Store product at -80°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

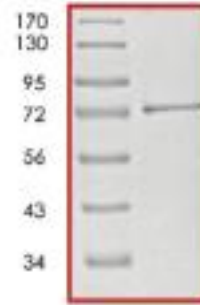


Specific Activity



The specific activity of FLT3 was determined to be **81nmol /min/mg** as per activity assay protocol.

Purity



The purity of FLT3 was determined to be **>90%** by densitometry, approx. MW **73 kDa**.

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