

Flt3, active, N-terminal His tag Receptor Tyrosine Kinase Active Protein | Fiz1 active protein

Flt3, active, Recombinant, Human, N-terminal His tag Receptor Tyrosine Kinase (Fms-like Tyrosine Kinase 3, CD135)

CATALOG # AAA14760	REACTIVITY Human
------------------------------	----------------------------

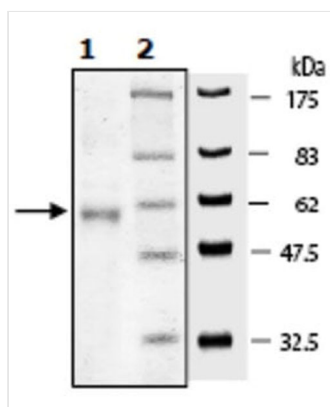
PRODUCT SYNONYMS

Flt3; active; N-terminal His tag Receptor Tyrosine Kinase; Recombinant; Human; N-terminal His tag Receptor Tyrosine Kinase (Fms-like Tyrosine Kinase 3; CD135); Fiz1 active protein

PRODUCT SPECIFICATIONS

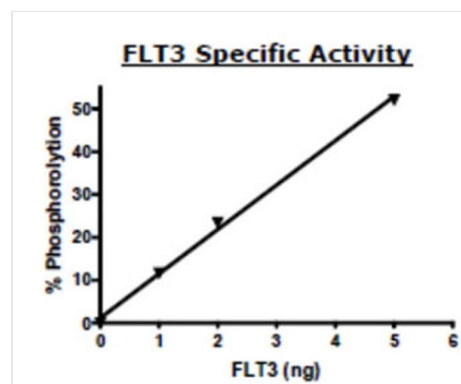
Reactivity	Human
Purity/Purification	> 80% by SDS-PAGE.
Form/Format	Supplied as a liquid in 25mM Tris-HCl, pH 8.0, 69mM sodium chloride, 1.35 mM KCl, 0.025% Tween-20, 125mM Imidazole, 3mM DTT, 50% glycerol.
Concentration	0.41mg/mL (varies by lot)
Application Notes	Suitable for use in the study of enzyme kinetics, screening inhibitors and selectivity profiling. Other applications have not been tested. Optimal dilutions to be determined by the researcher.
Specific Activity	4pmol/min/ug
Assay Conditions	ADP-Glo® assay was performed with 0.2mg/ml Abltide as a substrate and 100mM ATP at final concentration. Reaction was done for 45 minutes at 30°C. ADP-Glo® for 45 minutes at RT and Kinase detection for 55 minutes at RT.
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	Aliquot to avoid repeated freezing and thawing and store at -70°C. Aliquots are stable for 6 months after receipt. For maximum recovery of product , centrifuge the original vial after thawing and prior to removing the cap.

IMAGES



SDS-PAGE

10% SDS-PAGE Coomassie staining. Lane 1: 3ug F4600-21. Lane 2: Protein Marker.



Application Data

FLT3 Specific Activity

ADDITIONAL INFORMATION

Related Product Information for Fiz1 active protein	FMS-related tyrosine kinase 3 (FLT3, also called Flk2), a member of the type III receptor tyrosine kinase family that includes c-Kit, PDGF and M-CSF receptors, is expressed on early hematopoietic progenitor cells, and supports growth and differentiation within the hematopoietic system. FLT3 is activated after binding with its ligand FL, which results in a cascade of tyrosine autophosphorylation and tyrosine phosphorylation of downstream cellular targets. The p85 subunit of PI3 kinase, SHP2, GRB2 and Shc are associated with FLT3 after FL stimulation. Tyrosine 591 is located in the juxtamembrane region of FLT3. It may play an important role in regulation of FLT3 tyrosine kinase activity. Somatic mutations of FLT3 consisting of internal tandem duplications (ITDs) occur in 20% of patients with acute myeloid leukemia. Human Flt3 (GenBank Accession No. NM_004119), (a.a. 564-end) with N-terminal His tag, MW 54.2kD, expressed in an Baculovirus infected Sf9 cell expression system.
Product Categories/Family for Fiz1 active protein	Molecular Biology; MB-Receptor Tyrosine Kinases

NCBI AND UNIPROT INFORMATION

NCBI GI #	160333168
NCBI GeneID	23877
NCBI Accession #	NP_001103800.1
NCBI GenBank Nucleotide #	NM_001110330.1
UniProt Accession #	Q9WTJ4; Q91W14; Q9CTG3
Molecular Weight	55 kD
NCBI Official Full Name	flt3-interacting zinc finger protein 1
NCBI Official Synonym Full Names	Flt3 interacting zinc finger protein 1
NCBI Official Symbol	Fiz1
NCBI Official Synonym Symbols	AI790204; mFLJ00416
NCBI Protein Information	flt3-interacting zinc finger protein 1
UniProt Protein Name	Flt3-interacting zinc finger protein 1
UniProt Gene Name	Fiz1
UniProt Entry Name	FIZ1_MOUSE

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-active-protein/flt3-active-n-terminal-his-tag-receptor-tyrosine-kinase/14760>