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Datasheet for ABIN7504335
FLT3 Protein (AA 27-541) (Biotin)

Overview

Quantity:	100 µg
Target:	FLT3
Protein Characteristics:	AA 27-541
Origin:	Human
Source:	CHO Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FLT3 protein is labelled with Biotin.

Product Details

Purpose:	Biotinylated Human FLT3/Flk-2 Protein
Sequence:	Asn27-Asn541
Characteristics:	Recombinant Biotinylated Human FLT3/Flk-2 Protein is expressed from CHO with His tag and Avi tag at the C-Terminus. It contains Asn27-Asn541.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	FLT3
Alternative Name:	FLT3 (FLT3 Products)

Target Details

Background: The Flt-3 (fms-like tyrosine kinase) receptor, also named Flk-2 (fetal liver kinase) and Stk-1 (stem cell tyrosine kinase) is a member of the class III subfamily of receptor tyrosine kinases that also includes KIT, the receptor for SCF and FMS, the receptor for M-CSF. Tyrosine-protein kinase that acts as cell-surface receptor for the cytokine FLT3LG and regulates differentiation, proliferation and survival of hematopoietic progenitor cells and of dendritic cells. Promotes phosphorylation of SHC1 and AKT1, and activation of the downstream effector MTOR. Promotes activation of RAS signaling and phosphorylation of downstream kinases, including MAPK1/ERK2 and/or MAPK3/ERK1.

Molecular Weight: 61.20 kDa. Due to glycosylation, the protein migrates to 80-110 kDa based on Tris-Bis PAGE result.

Pathways: [RTK Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Supplied as 0.22µm filtered solution in PBS (pH 7.4).

Storage: -80 °C

Storage Comment: Valid for 12 months from date of receipt when stored at -80°C., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months