

Datasheet for ABIN7320038

**FLT3 Protein (His tag)****1** Image[Go to Product page](#)

## Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 50 µg                                       |
| Target:                       | FLT3  |
| Origin:                       | Mouse                                       |
| Source:                       | HEK-293 Cells                               |
| Protein Type:                 | Recombinant                                 |
| Purification tag / Conjugate: | This FLT3 protein is labelled with His tag. |

## Product Details

|                  |  |
|------------------|--|
| Purpose:         | Recombinant Mouse FLT-3/FLK-2 Protein (His Tag)  |
| Sequence:        | Met1-Ser544  |
| Characteristics: | A DNA sequence encoding the mouse FLT3 (EDL05833.1) (Met1-Ser544) was expressed with a C-terminal polyhistidine tag. |
| Purity:          | > 75 % as determined by SDS-PAGE   |
| Endotoxin Level: | < 1.0 EU per µg of the protein as determined by the LAL method.  |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | FLT3   |
| Alternative Name: | FLT-3/FLK-2 ( <a href="#">FLT3 Products</a> )  |
| Background:       | Background: The cluster of differentiation (CD) system is commonly used as cell markers in immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are |

## Target Details

more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. CD135, also known as FLT-3, FLK-2, is a member of the CD system. CD135 is an important cell surface marker recognized by specific sets of antibodies to identify the types of hematopoietic (blood) progenitors in the bone marrow and its function to differentiate hematopoietic stem cells, which are CD135 negative, from multipotent progenitors, which are CD135 positive. CD135 is a receptor tyrosine kinase type III for the cytokine Flt3 ligand and activates signaling through second messengers by binding to Flt3. Signaling through CD135 is important for lymphocyte development. The encoding gene CD135 is a proto-oncogene to which mutations happened will lead to cancer such as leukemia. Immune Checkpoint Immunotherapy Cancer Immunotherapy Targeted Therapy  
Synonym: B230315G04;CD135;Flk-2;Flk2;Flt-3;Ly72;wmfl

Molecular Weight: 59.5 kDa

Pathways: [RTK Signaling](#)

## Application Details

Restrictions: For Research Use only

## Handling

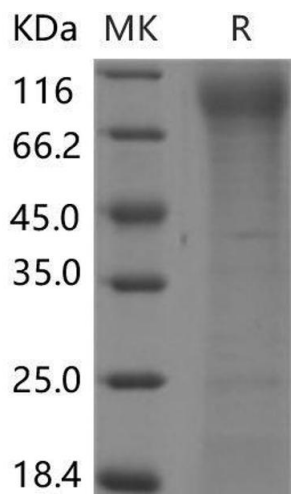
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.