



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### FLT3 (Human) Recombinant Protein

**Catalog Number:** P9704

**Regulation Status:** For research use only (RUO)

**Product Description:** Human FLT3 (P36888-1, 27 a.a. - 541 a.a.) partial recombinant protein with His tag at C-terminus expressed in HEK293 cells.

**Sequence:**

NQDLPVIKCVLINHKNNDSSVKGSSSYPMVSESPEDL  
GCALRPQSSGTVYEAHAVEVDVSASITLQVLVDAPGNI  
SCLWVFKHSSLNCQPHFDLQNRGVVSMVILKMTETQA  
GEYLLFIQSEATNYTILFTVSIRNTLLYLRRPYFRKMEN  
QDALVCISESVPEPIVEWVLCDSQGESCKEESPAVVK  
KEEKVLHELFGTDIRCCARNELGRECTRLFTIDLNQTP  
QTTLPQLFLKVGEPWIRCKAVHVNHGFLTWELNK  
ALEEGNYFEMSTYSTNRTMIRILFAFVSSVARNDTGY  
TCSSSKHPSQSALVTIVEKGFINATNSSEIDYEEF  
CFSVRFKAYPQIRCTWTFSRKSFPCEQKGLDNGYSIS  
KFCNHKHQPGEYIFHAENDDAQFTKMFTLNIRRKPV  
LAEASASQASCFSQGYPLPSWTWKKCSDKSPNCTEEI  
TEGVVNRKANRKFVGGQWVSSSTLNMSEAIKGLVKC  
CAYNSLGTSCETILLNSPGPFPIQDN

**Host:** Human

**Theoretical MW (kDa):** 59.22

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product  
page for detailed protocols

**Form:** Liquid

**Preparation Method:** Mammalian cell (Expi293, high-  
yield transient HEK293) expression system

**Purity:** > 95% as determined by Tris-Bis PAGE; > 95%  
as determined by HPLC

**Endotoxin Level:** < 1 EU per 1 ug of protein  
(determined by LAL method)

**Activity:** The EC<sub>50</sub> was 35.6 ng/mL, measured by ELISA  
at 0.5 ug/mL.

**Recommend Usage:** Biological Activity  
ELISA

**SDS-PAGE**

The optimal working dilution should be determined by  
the end user.

**Storage Buffer:** In PBS pH 7.4

**Storage Instruction:** Store at -80°C for 12 Month.  
Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 2322

**Gene Symbol:** FLT3

**Gene Alias:** CD135, FLK2, STK1

**Gene Summary:** This gene encodes a class III receptor tyrosine kinase that regulates hematopoiesis. The receptor 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. The receptor is activated by binding of the fms-related tyrosine kinase 3 ligand to the extracellular domain, which induces homodimer formation in the plasma membrane leading to autophosphorylation of the receptor. The activated receptor kinase subsequently phosphorylates and activates multiple cytoplasmic effector molecules in pathways involved in apoptosis, proliferation, and differentiation of hematopoietic cells in bone marrow. Mutations that result in the constitutive activation of this receptor result in acute myeloid leukemia and acute lymphoblastic leukemia. [provided by RefSeq]