

FLT1, human recombinant protein

Fms-like tyrosine kinase 1, Tyrosine-protein kinase FRT, Tyrosine-protein kinase receptor FLT, Vascu
Catalog # PBV10507r

Specification

FLT1, human recombinant protein - Product info

Primary Accession [P17948](#)
Calculated MW 96 kDa KDa

FLT1, human recombinant protein - Additional Info

Gene ID 2321
Gene Symbol FLT1

Other Names

Fms-like tyrosine kinase 1, Tyrosine-protein kinase FRT, Tyrosine-protein kinase receptor FLT,
Vascular permeability factor receptor

Gene Source Human
Source Insect cells
Assay&Purity SDS-PAGE; ≥90%
Assay2&Purity2 HPLC; ≥90%
Recombinant Yes
Results 8-500 ng/ml.
Sequence

MVSYWDTGVL LCALLSCLLL TGSSSGSKLK
DPELSLKGTQ HIMQAGQTLH LQCRGEAAHK
WSLPPEVSKE SERLSITKSA CGRNGKQFCS
TLTLNTAQAN HTGFYSCKYL AVPTSKKKET
ESAIYIFISD TGRPFVEMYS EIPEIIHMT
GRELVI PCRV TSPNITVTLK KFPLDTLIPD
GKRIIWD SRK GFII SNATYK EIGLLTCEAT
VNGHLYKTNY LTHRQTNTII DVQISTPRPV
KLLRGHTLV L NCTATTPLNT RVQMTWSYPD
EKNKRASVRR RIDQSN SHAN IFYSVLTIDK
MQNKDKGLYT CRVRSGPSFK SVNTSVHIYD
KAFITVKHRK QQVLETVAGK RSYRLSMKVK
AFPSPEVVWL KDGLPATEKS ARYLTRGYSL
I IKDVT EEDA GNYTILLSIK QSNVFKNLTA
TLIVNVKPQI YEKAVSSFPD PALYPLGSRQ
ILTCTAYGIP OPTIKWFWHP CNHNHSEARC
DFCSNNEESF ILDADSNMGN RIESITQMA
IIEGKNKMAS TLVVADSRIS GIYICIASNK
VGTVGRNISF YITDVPNGFH VNLEKMPTEG
EDLKL SCTVN KFLYRDVTWI LLRTVNNRTM
HYSISKQKMA ITKEHSITLN LTIMNVSLQD
SGTYACRARN VYTGEILQK KEITIRGEHC
NKKAVFSRIS KFKSTRNDCT TQSNVKH

Application Notes

Reconstitute in water to a concentration not less than 0.1 mg/ml. This solution can then be stored
at 4°C for 2-7 days. For future use for future use; For long term storage it is recommended to add

a carrier protein (0.1 % HSA or BSA) then store at -20°C. Avoid freeze-thaw cycles.

Format

Lyophilized protein

Storage

-20°C; Lyophilized from sterile-filtered solution containing PBS

FLT1, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FLT1, human recombinant protein - Images**FLT1, human recombinant protein - Background**

The flt-1 gene was first described in 1990. The receptor contains seven immunoglobulin-like extracellular domains, a single transmembrane region and an intracellular split tyrosine kinase domain. Compared to VEGFR-2 the Flt-1 receptor has a higher affinity for VEGF but a weaker signaling activity. VEGFR-1 thus leads not to proliferation of endothelial cells, but mediates signals for differentiation. Soluble FLT1 Human Recombinant produced in baculovirus is monomeric, glycosylated, polypeptide containing 688 amino acids and having a molecular mass of 96 kDa. The soluble receptor protein contains only the first 6 extracellular domains, which contain all the information necessary for binding of VEGF. The FLT1 is purified by proprietary chromatographic techniques.