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Datasheet for ABIN7534915
FLT1 Protein (His tag)

Overview

Quantity:	100 µg
Target:	FLT1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This FLT1 protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Human FLT-1/VEGFR-1 Protein
Sequence:	MVSYWDTGVL LCALLSCLLL TGSSSGSKLK DPELSLKGQTQ HIMQAGQTLH LQCRGEEAAHK WSLPEMVSKE SERLSITKSA CGRNGKQFCS TLTNNTAQAN HTGFYSCKYL AVPTSKKKET ESAIYIFISD TGRPFVEMYS EIPEIIHMTE GRELVIPCRV TSPNITVTLK KFPLDTLIPD GKRIIWDNRK GFIISNATYK EIGLLTCEAT VNGHLYKTNY LTHRQNTNII DVQISTPRPV KLLRGHTLVL NCTATTPLNT RVQMTWSYPD EKNKRASVRR RIDQSNESHAN IFYSVLTIDK MQNKDKGLYT CRVRSGPSFK SVNTSVHIYD KAFITVKHRK QQVLETVAGK RSYRLSMKVK AFPSPEVVWL KDGLPATEKS ARYLTRGYSL IIKDVTEEDA GNYTILLSIK QSNVFNKLTAL TLIVNVKPKI YEKAVSSFPD PALYPLGSRQ ILTCTAYGIP OPTIKWFWHP CNHNHSEARC DFCSNNEESF ILDADSNMGN RIESITQRMA IIEGKNKMAS TLVVADSRIS GIYICIASNK VGTVGRNISF YITDVPNGFH VNLEKMPTEG EDLKLSTVN KFLYRDVTWI LLRTVNNRTM HYSISKQKMA ITKEHSITLN LTIMNVSLQD SGTYACRARN VYTGEEILQK KEITIRDQEA PYLLRNLSDH TVAISSSTTL DCHANGVPEP QITWFKNNHK IQQEPGILG PGSSTLFIER VTEEDEGVYH

Product Details

CKATNQKGSV ESSAYLTVQG TSDKSN

Specificity: Met1-Asn756

Purity: > 95 % by SDS-PAGE.

Sterility: 0.22 µm filtered

Endotoxin Level: < 0.1 EU/µg of the protein by LAL method.

Biological Activity Comment: 1.Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human VEGFR1 at 500 ng/mL (100 µL/well) can bind Recombinant Mouse PLGF with a linear range of 12-49 ng/mL.2.Measured by its ability to inhibit the VEGF-dependent proliferation of HUVEC human umbilical vein endothelial cells. Conn, G. et al. (1990) Proc. Natl. Acad. Sci. USA 87:1323. The ED₅₀ for this effect is 0.039-0.154 ng/mL.

Target Details

Target: FLT1

Alternative Name: FLT-1/VEGFR-1 ([FLT1 Products](#))

Background: FLT,FLT-1,VEGFR-1,VEGFR1,FLT1

Gene ID: 2321

UniProt: [P17948](#)

Pathways: [RTK Signaling](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [VEGFR1 Specific Signals](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Buffer: Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

Storage: -20 °C,-80 °C

Handling

Storage Comment: Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.