

## Product datasheet for DA3539

### VEGFR-1 / Flt-1 (D1-D5) Human Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	VEGFR-1 / Flt-1 (D1-D5) human recombinant protein, 5 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	Insect
<b>Expression cDNA Clone or AA Sequence:</b>	SKLKDPESL KGTQHIMQAG QTLHLQCRGE AAHKWSLPEM VSKESERLSI TKSACGRNGK QFCSTLTLNT AQANHTGFYS CKYLAVPTSK KKETESAIYI FISDTGRPFV EMYSEIPEII HMTEGRELVI PCRVTSPNIT VTLKKFPLDT LIPDGKRIIW DSRKGFISN ATYKEIGLLT CEATVNGHLY KTNLYLTHRQT NTIIDVQIST PRPVKLLRGH TLVLNCTATT PLNTRVQMTW SYPDEKNKRA SVRRRIDQSN SHANIFYSVL TIDKMQNKDK GLYTCRVRSG PSFKSVNTSV HIYDKAFITV KHRKQQVLET VAGKRSYRLS MKVKAFPSPE VVWLKDGLPA TEKSARYLTR GYSLIKDVT EEDAGNYTIL LSIKQSNVFK NLTATLIVNV KPQIYEKAVS SFPDPALYPL GSRQILTCTA YGIPQPTIKW FWHPCHNHNS EARCDFCSNN EESFILDADS NMGNRIESIT QRMAIIEGKN KMASTLVAD SRISGIYICI ASNKVGTVGR NISFYITDVP NGFHVN
<b>Predicted MW:</b>	70 kDa
<b>Purity:</b>	>90% pure by SDS-PAGE and Silver stain
<b>Buffer:</b>	Presentation State: Purified State: Lyophilized purified protein Buffer System: PBS Stabilizer: None
<b>Bioactivity:</b>	Biological: The activity of recombinant Human sVEGFR-1 <sub>D1-5</sub> was determined by its ability to inhibit the VEGF-A-induced proliferation of HUVECs.
<b>Endotoxin:</b>	< 0.1 ng per mg of VEGFR-1
<b>Reconstitution Method:</b>	The lyophilized sVEGFR-1 <sub>D1-5</sub> is soluble in water and most aqueous buffers and should be restored in PBS to a concentration not lower than 100 ng/ml.
<b>Preparation:</b>	Lyophilized purified protein



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<b>Protein Description:</b>	<p>Recombinant Human soluble Vascular Endothelial Growth Factor Receptor-1 domain D1-5 (sVEGFR-1<sub>D1-5</sub>) is a 72 kDa protein containing amino acid residues. The baculovirus generated, recombinant Human sVEGFR-1 is produced as a non-chimeric protein in a monomeric form. The soluble receptor protein contains only the first 5 extracellular domains, which contain all the information necessary for high affinity ligand binding. The receptor monomers have a mass of approximately 70kDa.</p> <p><b><i>Result by N-terminal sequencing:</i></b> SGSKLKD</p>
<b>Storage:</b>	<p>Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.</p>
<b>Stability:</b>	<p>Shelf life: one year from despatch.</p>
<b>RefSeq:</b>	<p><a href="#">NP_001153392</a></p>
<b>Locus ID:</b>	<p>2321</p>
<b>UniProt ID:</b>	<p><a href="#">P17948</a></p>
<b>Cytogenetics:</b>	<p>13q12.3</p>
<b>Synonyms:</b>	<p>VEGFR1, FLT1, FLT, FRT, VEGF Receptor 1</p>
<b>Summary:</b>	<p>This gene encodes a member of the vascular endothelial growth factor receptor (VEGFR) family. VEGFR family members are receptor tyrosine kinases (RTKs) which contain an extracellular ligand-binding region with seven immunoglobulin (Ig)-like domains, a transmembrane segment, and a tyrosine kinase (TK) domain within the cytoplasmic domain. This protein binds to VEGFR-A, VEGFR-B and placental growth factor and plays an important role in angiogenesis and vasculogenesis. Expression of this receptor is found in vascular endothelial cells, placental trophoblast cells and peripheral blood monocytes. Multiple transcript variants encoding different isoforms have been found for this gene. Isoforms include a full-length transmembrane receptor isoform and shortened, soluble isoforms. The soluble isoforms are associated with the onset of pre-eclampsia.[provided by RefSeq, May 2009]</p>
<b>Protein Families:</b>	<p>Druggable Genome, Protein Kinase, Secreted Protein</p>
<b>Protein Pathways:</b>	<p>Cytokine-cytokine receptor interaction, Endocytosis, Focal adhesion</p>

## Product images:

