

Product datasheet

Recombinant Human VEGF Receptor 3 protein ab54260

1 Image

Overview

<b>Product name</b>	Recombinant Human VEGF Receptor 3 protein
<b>Protein length</b>	Protein fragment

Description

<b>Nature</b>	Recombinant
<b>Source</b>	Insect cells
<b>Amino Acid Sequence</b>	
<b>Accession</b>	<a href="#">P35916</a>
<b>Species</b>	Human
<b>Sequence</b>	<p>DPSGYSMTPPTLNITEESHVIDTGDSLISISCRGQHPLE  WAWPGAQEAPAT  GDKDSEDTGVVRDCEGTDARPYCKVLLLHEVHANDT  GSYVCYKYIKARI  EGTTAASSYVFVRDFEQPFINKPDTLLVNRKDAMWVP  CLVSIPGLNVTLR  SQSSVLWPDGQEVVWDDRRGMLVSTPLLHDALYLQC  ETTWGDQDFLSNPF  LVHITGNELYDIQLLPRKSLELLVGEKLVLNCTVWAEFN  SGVTFDWDYPG  KQAERGKWPERRSQQTHTELSSILTIHNSQHDLSY  VCKANNGIQRFR  ESTEVIHENPFISVEWLKGPILVATAGDELVKLPVKLA  AYPPPEFQWYK  DGKALSGRHSPHALVLKEVTEASTGTYTLALWNSAAG  LRRNISLELVNV  PPQIHEKEASSPSIYSRHSRQALCTAYGVPLPLSIQWH  WRPWTPCKMFA  QRSLRRRQQDLMPQCRDWRAVTTQDAVNPIESLDT  WTEFVEGKNKTVSK  LVIQNANVSAMYKCVVSNKVGQDERLIYFVTTIPDGFTI  ESKPSEELLE  GQPVLLSCQADSYKYEHLRWYRLNLSLHDAHGNPLL  LDCKNVHLFATPL  AASLEEVAPGARHATLSLSIPRVAPEHEGHYVCEVQD</p>

RRSKDKHCHKKYL  
 SVQALEAPRLTQNLTDLLVNVSDSLEMQCLVAGAHAP  
 SIVWYKDERLLEE  
 KSGVDLADSNQKLSIQRVREEDAGRYLCSVCNAKGC  
 VNSSASVAVEGSED  
 KGSMEHDPGYSMTPTLNITEESHVIDTGDSLISCR  
 GQHPLEWAWPGA  
 QEAPATGDKDSEDGTVVRDCEGTDARPYCKVLLLHE  
 VHANDTGSYVCYK  
 YIKARIEGTTAASSYVFVRDFEQPFINKPDLLVNRKDA  
 MWVPCLVSIPG  
 LNVTLRSQSSVLWPDGQEVVWDDRRGMLVSTPLLHD  
 ALYLQCETTWGDQD  
 FLSNPFLVHITGNELYDIQLLPRKSLELLVGEKLVLNCT  
 VWAEFNSTGTF  
 DWDYPGKQAERGKWWPERRSQQTHTELSSILTIHNV  
 QHDLGSYVCKANN  
 GIQRFRESTEVIHNPFIHVEWLKGPILVATAGDELVK  
 LPVKLAAYPPP  
 EFQWYKDGKALSGRHSPLVKEVTEASTGTTLAL  
 WNSAAGLRRNLSL  
 ELVVNVPPQIHEKEASSPSIYRHSRQALCTAYGVPL  
 PLSIQWHWRPWT  
 PCKMFAQRSLRRRQQDLMPQCRDWRAVTTQDAVN  
 PIESLDTWTEFVEGK  
 NKTVSKLVIQANANVSAMYKCVVSNKVGQDERLIFYVT  
 TIPDGFTIESKP  
 SEELLEGQPVLVSCQADSYKYEHLRWYRLNLSTLHDA  
 HGNPLLLDCKNVH  
 LFATPLAASLEEVAPGARHATLSLSIPRVAPEHEGHYV  
 CEVQDRRSHDKH  
 CHKKYLSVQALEAPRLTQNLTDLLVNVSDSLEMQCLV  
 AGAHAPSMWYKD  
 ERLLEEKSGVDLADSNQKLSIQRVREEDAGRYLCSVC  
 NAKGCVNSSASVA VEGSEDKGSMEHHHHHH

<b>Molecular weight</b>	110 kDa
<b>Amino acids</b>	23 to 775
<b>Tags</b>	His tag C-Terminus

### Specifications

Our [Abpromise guarantee](#) covers the use of **ab54260** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE Functional Studies
<b>Purity</b>	> 90 % SDS-PAGE. ab54260 purity is > 90%, by SDS-PAGE and visualised by silver stain. Endotoxin level: < 0.1 ng per ug of sVEGFR3
<b>Form</b>	Lyophilised

## Preparation and Storage

### Stability and Storage

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Preservative: None

Buffer: None

### Reconstitution

Reconstitute in PBS or culture medium to a concentration not lower than 100µg/ml.

## General Info

### Function

Receptor for VEGFC. Has a tyrosine-protein kinase activity.

### Tissue specificity

Placenta, lung, heart, and kidney, does not seem to be expressed in pancreas and brain.

### Involvement in disease

Defects in FLT4 are the cause of lymphedema hereditary type 1A (LMPH1A) [MIM:153100]; also known as Nonne-Milroy lymphedema or Milroy disease. Hereditary lymphedema is a chronic disabling condition which results in swelling of the extremities due to altered lymphatic flow. Patients with lymphedema suffer from recurrent local infections and physical impairment. Note=Defects in FLT4 are found in juvenile hemangioma. Juvenile hemangiomas are the most common tumors of infancy, occurring as many as 10% of all births. These benign vascular lesions enlarge rapidly during the first year of life by hyperplasia of endothelial cells and attendant pericytes, and then spontaneously involute over a period of years, leaving loose fibrofatty tissue.

### Sequence similarities

Belongs to the protein kinase superfamily. Tyr protein kinase family. CSF-1/PDGF receptor subfamily.

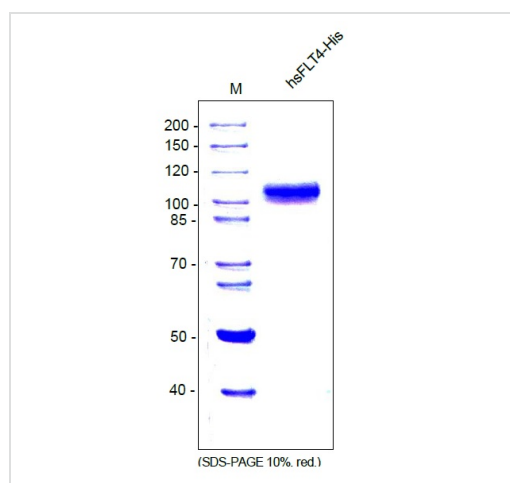
Contains 7 Ig-like C2-type (immunoglobulin-like) domains.

Contains 1 protein kinase domain.

### Cellular localization

Membrane.

## Images



SDS-PAGE of recombinant human soluble VEGFR-3/FLT-4. The sample was loaded in 10% SDS-polyacrylamide gel under reducing condition and stained with Silver stain.

SDS-PAGE - Recombinant Human VEGF Receptor  
3 protein (ab54260)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

### **Our Abpromise to you: Quality guaranteed and expert technical support**

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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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