

Recombinant Human VEGF Receptor 3 protein ab54260

1 Image

Description	
Product name	Recombinant Human VEGF Receptor 3 protein
Purity	> 90 % SDS-PAGE. ab54260 purity is > 90%, by SDS-PAGE and visualised by silver stain. Endotoxin level: < 0.1 ng per ug of sVEGFR3. Affinity purified.
Expression system	Insect cells
Accession	<u>P35916</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	DPSGYSMTPTLNTTEESHVIDTGDSLISCRGQHPLEWA WPGAQEAPAT GDKDSED TG VVRDCEGTDARPYCKVLLLHEVHANDTGSY VCYYKYIKARI EGTTAASSYVFVRDFEQPFINKPDTLLVNRKDAMWVPCL VSIPGLNVTLR SQSSVLWPDGQEVVWDDRRGMLVSTPLLHDALYLQCET TWGDQDFLSNPF LVHITGNELYDIQLLPRKSLELLVGEKLVLNCTVWAEFN SGVTFDWDYPG KQAERGKWWPERRSQQTHTELSSILTIHNVSQHDLG SYVCKANNGIQRFR ESTEVVHENPFISVEWLKGPILEATAGDELVKLPV KLAAYPPPEFQWYK DGKALSGRHSPHALVLKEVTEASTGTYTLALWNSA AGLR RNISLELVNV PPQIHEKEASSPSIYSRHSRQALTCTAYGVPLPL SIQWHWRPWT PCKMFA QRSLRRRQQQDLMPQCRDWRAVTTQDAVNPIESLD TWT EFVEGKNKTVSK LVIQNANVSAMYKCVVSNKV GQDERLIYFYVTTIPD GFTIES KPSEELLE GQPVLLSCQADSYKYEHLRWYRLNLSTLHDAHGN PLLLDCKNVHLFATPL

AASLEEVAPGARHATLSLSIPRVAPEHEGHYVCEVQDRR
 SHDKHCHKKYL
 SVQALEAPRLTQNLTDLLVNVSDSLEMQCLVAGAHAPSIV
 WYKDERLLEE
 KSGVDLADSNQKLSIQRVREEDAGRYLCSVCNAKGCVNS
 SASVAVEGSED
 KGSMEHDPGYSMTPTLNITEESHVIDTGDSLSISCRGQ
 HPLEWAWPGA
 QEAPATGDKDSED TGVRDCEGTDARPYCKVLLLHEVH
 ANDTGSYVCYK
 YIKARIEGTTAASSYVFVRDFEQPFINKPD TLLVNRKDAMW
 VPCLVSIPG
 LNVTLRSQSSVLWPDGQEVVWDDRRGMLVSTPLLHDAL
 YLQCETTWGDQD
 FLSNPFLVHITGNELYDIQLLPRKSLELLVGEKLVLNCTVW
 AEFNSGVTF
 DWDYPGKQAERGKWWPERRSQQTHTELSSILTIHNVSQH
 DLGSYVCKANN
 GIQRFRESTEVVHENPFISVEWLKGPILEATAGDELVKLPV
 KLAAYPPP
 EFQWYKDGKALSGRHSPHALVLKEVTEASTGTYTLALWN
 SAAGLRRNISL
 ELVVNVPPQIHEKEASSPSIYSRHSRQALTCTAYGVPLPLS
 IQWHWRPWT
 PCKMFAQRSLRRRQQQDLMPQCRDWRAVTTQDAVNPIE
 SLDTWTEFVEGK
 NKTVSKLVIQNANVSAMYKCVVSNKVGQDERLIYFVTTIP
 DGFTIESKP
 SEELLEGQPVLLSCQADSYKYEHLRWYRLNLSTLHDAHG
 NPLLLDCKNVH
 LFATPLAASLEEVAPGARHATLSLSIPRVAPEHEGHYVCE
 VQDRRSHDKH
 CHKKYLSVQALEAPRLTQNLTDLLVNVSDSLEMQCLVAG
 AHAPSIVWYKD
 ERLLEEKSGVDLADSNQKLSIQRVREEDAGRYLCSVCNA
 KGCVNSSASVA VEGSEDKGSMEHHHHHH

Predicted molecular weight	110 kDa
Amino acids	23 to 775
Tags	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.

Applications	SDS-PAGE Functional Studies
Form	Lyophilized

Preparation and Storage

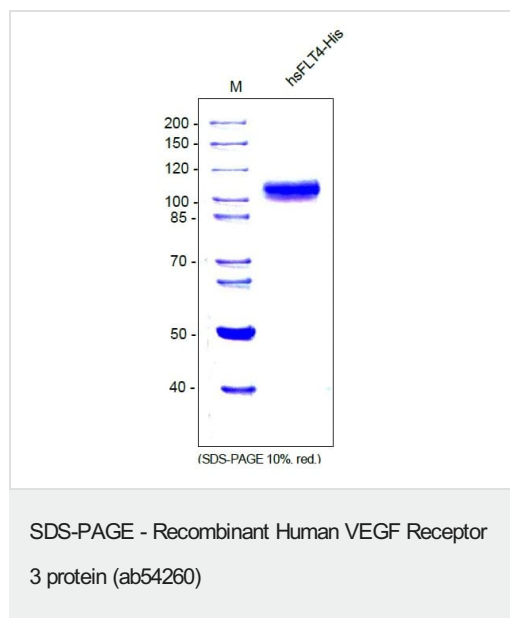
Preparation and Storage

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

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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