

Product datasheet for PH324406

VEGF Receptor 1 (FLT1) (NM_002019) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FLT1 MS Standard C13 and N15-labeled recombinant protein (NP_002010)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC224406
Predicted MW:	150.77 kDa
Protein Sequence:	>RC224406 representing NM_002019 Red=Cloning site Green=Tags(s)

MVSYWDTGVLLCALLSCLLLTGSSSGSKLKDPELCLKGTQHIMQAGQTLHLQCRGEAAHKWSPPEMVSKE
SERLSITKSACGRNGKQFCSTLTLNTAQANHTGFYSCKYLAVPTSKKKETESAIYIFISDTGRPFVEMYS
EIPEIIHMTGRELVIPCRVTSNITVTLKKFPLDTLIPDGKRIIWDNRKGFIIISNATYKEIGLLTCEAT
VNGHLYKNTYLTHRQNTIIDVQISTPRPVKLLRGHTLVNCTATPLNTRVQMTWSYPDEKNKRASVRR
RIDQSNSHANIFYSVLTIDKMQNKDKGLYTCRVRSGPSFKSVNTSVHIYDKAFITVKHRKQVLETVAGK
RSYRLSMKVKAFFSPEVVWLKDGLPATEKSARYLTRGYSLLIKDVTEEDAGNYTILLSIKQSNVFNKLT
TLIVNVKPOIYEKAVSSFPDPALYPLGSRQILTCTAYGIPQPTIKWFHPCNHNHSEARCDFCSSNNEESF
ILDADSNMGNRIESITQRMALIEGKNKMASTLVVADSRIISGIIYICIASNKVGTVGRNISFYITDVPNGFH
VNLEKMPTEGEDLKLCTVKNKFLYRDVTWILLRVTNNRMTMHSISKQKMAITKEHSITLNLTIMNVSLQD
SGTYACRARNVYTGEEILQKKEITIRDQEPYLLRNLSDHTVAISSSTTLDCHANGVPEPQITWFKNNHK
IQQEPGIIILGPGSSTLFIERVTEEDGYYHCKATNQGKSVESAYLTVQGTSDKSNLELITLCTCVAAT
LFWLLLTLFIRKMKRSSEIKTDYLSIIMDPDEVPLDEQCERLPYDASKWEFARERLKLKSLGRGAFGK
VVQASAFGIKKSPTCRTVAVKMLKEGATASEYKALMTELKILTHIGHHLNVNLLGACTKQGGPLMVIVE
YCKYGNLSNYLKSQRDLFFLNKDAALHMEPKKEKMEPGLAQGKPRLDVTSSESFASSGFQEDKSLSDV
EEEEESDGFYKEPITMEDLISYSFQVARGMEFLSSRKCIMRDLAARNILLSENNKKICDFGLARDIYKN
PDYVVRKGDTRLPLKWMAPESIFDKIYSTKSDVWSYGVLLWEIFSLGGSPYPGVQMDDFCSRLREGMRMR
APEYSTPEIYQIMLDCWHRDPKERPRFAELVEKLGDLLQANVQDQKDYIPINAILTGNSTGFTYSTPAFS
EDFFKESISAPKFNSSGSDVRYVNAFKFMSLERIKTFEELLPNATSMFDDYQDGSSTLLASPMLKRFW
TDSKPKASLKIDLRVTSKSKESGLSDVSRPSFCHSSCGHVSEGRRTYDHAELERKIAACSPPPDYNSV
VLYSTPPI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

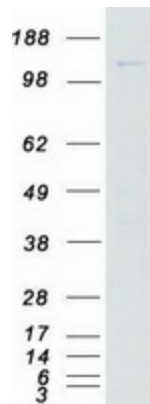
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method



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Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_002010
RefSeq Size:	5777
RefSeq ORF:	4014
Synonyms:	FLT; FLT-1; VEGFR-1; VEGFR1
Locus ID:	2321
UniProt ID:	P17948 , L7RSL3
Cytogenetics:	13q12.3
Summary:	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]
Protein Families:	Druggable Genome, Protein Kinase, Secreted Protein
Protein Pathways:	Cytokine-cytokine receptor interaction, Endocytosis, Focal adhesion

Product images:



Coomassie blue staining of purified FLT1 protein (Cat# [TP324406]). The protein was produced from HEK293T cells transfected with FLT1 cDNA clone (Cat# [RC224406]) using MegaTran 2.0 (Cat# [TT210002]).