

Active Recombinant Human VEGFA Protein

Cat. No. VEGFA-01H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human VEGF-165 Protein without tag was expressed in Nicotiana Benthamiana. Animal Component Free. Low endotoxins, prions or virions to risk microbial contamination.
Species	Human
Source	Nicotiana Benthamiana
Form	VEGF-165 delivered soluble/frozen carrier-free. Does not contain BSA.
Bio-activity	ED50 = 2.3 ng/mL
Molecular Mass	Recombinant human VEGF-165 produced in plants contains 165 amino acids and has a predicted molecular mass of 19.2 kDa. The predicted mass of the dimer is 38.4 kDa. As a result of glycosylation, the recombinant protein migrates with an apparent molecular mass of 26.28 kDa in SDS-PAGE.
AA Sequence	APMAEGGGQNHHEVVKFMVDVYQRSYCHPIETLVDIFQEYYPDEIEYIFKPSCVPLMRC GGCCNDEGLECVPTTEESNITMQIMRIKPHQGGQHIGEMSFLQHKNKCECRPKKDRARQ EKKSVRGKGGKQKRKRKKSRYKSWSVYVGARCCCLMPWLSLPGPHPCGPCSERRKH LFVQDPQTCKCSCKNTDSRCKARQLELNERTCRCDKPRR
Endotoxin	Low endotoxins, prions or virions to risk microbial contamination.
Purity	> 95%, as determined by SDS-Page

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	Recombinant Proteins are stable for up to 6 months from date of receipt at -20 centigrade, one year at -80 centigrade.
Storage	Until use, Human VEGF-165 should be stored at 4 centigrade between 2-7 days and for future use below -18 centigrade. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

GENE INFORMATION

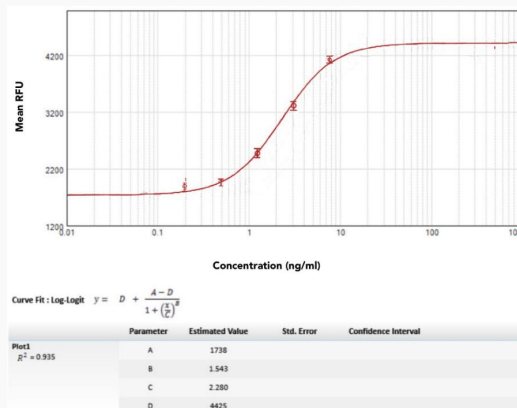
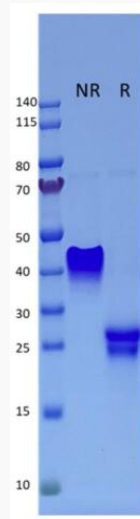
Gene Name	VEGFA vascular endothelial growth factor A [Homo sapiens (human)]
Official Symbol	VEGFA
Synonyms	VEGFA; vascular endothelial growth factor A; VPF; VEGF; MVCD1; vascular endothelial growth factor A; vascular endothelial growth factor A121; vascular endothelial growth factor A165; vascular permeability factor
Gene ID	7422
mRNA Refseq	NM_003376
Protein Refseq	NP_003367
MIM	192240
UniProt ID	P15692

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SDS-PAGE



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