

## Recombinant human VEGF 165 Protein

**Catalog No** RP01150 **Category**

**Description** Recombinant human VEGF 165 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala27-Arg191) of human VEGF 165 (Accession #NP\_001165097.1) fused with a 6×His tag at the N-terminus.

### Sequence Information

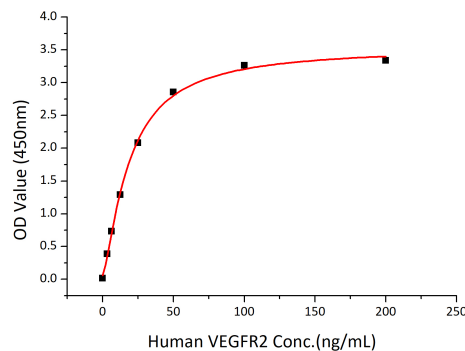
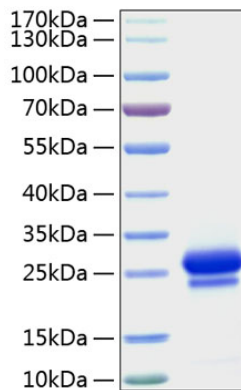
<b>Species</b>	human	<b>Gene ID</b>	7422
<b>Tags</b>	6×His tag at the N-terminus	<b>Swiss Prot</b>	P15692-4
<b>Synonyms</b>	MVCD1;VEGFA;VPF		
<b>AA Sequence</b>	APMAEGGGQNHHEVVKFMDVYQRSYCHPIETLVDIFQEYPDEIEYIFKPCVPLMRCGGC CNDEGLECVPTTEESNITMQIMRIKPHQGQHIGEMSFLQHNKCECRPKKDRARQENPCGPC SERRKHLFVQDPQTCKCCKNTDSRCKARQLELNERTCRCDKPRR		

### Product information

<b>Source</b>	HEK293 cells
<b>Purity</b>	> 97% by SDS-PAGE.
<b>Endotoxin</b>	< 0.1 EU/μg of the protein by LAL method.
<b>Formulation</b>	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
<b>Reconstitution</b>	Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.
<b>Storage</b>	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. <b>Avoid repeated freeze/thaw cycles.</b>

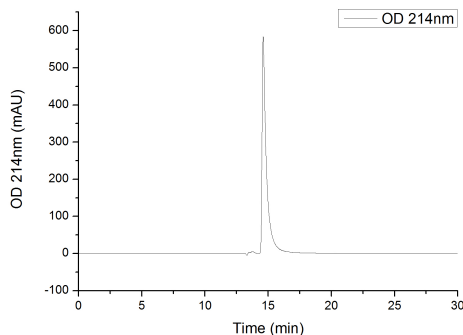
### Background

### Validated Data



Recombinant human VEGF 165 Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 22 kDa and 27 kDa..

Immobilized Recombinant Human VEGF165 at 1 μg/mL (100 μL/well) can bind Recombinant Human VEGFR2 with a linear range of 8-20 ng/mL.



The purity of human VEGF 165 Protein (Cat.RP01150) was greater than 90% as determined by SEC-HPLC.