

Catalog number GF-VEGF165-HU

Recombinant Human VEGF-165

HEK293-expressed recombinant human VEGF-165, the dominant physiological VEGF-A isoform, $\geq 95\%$ pure and supplied frozen. The active species is the disulfide-linked homodimer that engages VEGFR-2 in endothelial proliferation and angiogenesis assays.

Specification

Species	Human
Expressed in	HEK293 cells
UniProt	P15692
Accession	NP_001165097.1
Residue range	Ala27-Arg191 (165 aa per chain, disulfide-linked homodimer)
Molecular weight	38.3 kDa (calculated, non-reduced homodimer)
Purity	$\geq 95\%$ (SDS-PAGE & SEC-HPLC)
Endotoxin	≤ 0.1 EU/ μ g (LAL)
Bioactivity	ED50 1-5 ng/mL, HUVEC proliferation
Carrier	carrier-free
Formulation	Sterile-filtered solution in PBS, pH 7.4. Supplied frozen; carrier-free (a 0.1% BSA carrier option is also available). Supplied as the folded, disulfide-linked homodimer, so no refolding or dimerization step is needed.
Reconstitution	Supplied ready to use, no reconstitution required. Thaw on ice, mix gently, and dilute into your assay buffer or medium.
Storage	-80 °C. Aliquot on receipt to avoid repeated freeze/thaw.
Stability	12 mo at -80 °C; 1 wk at 2-8 °C once thawed. Do not refreeze.
Grade	Research use only

Ordering

Catalog no.	Pack	List price	Availability
GF-VEGF165-HU-10UG	10 μ g	\$42	Waitlist
GF-VEGF165-HU-50UG	50 μ g	\$115	Waitlist

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GF - VEGF165 - HU - 100UG	100 µg	\$180	Waitlist
GF - VEGF165 - HU - 1MG	1 mg	\$775	Waitlist

Storage and shipping

Cold chain	Frozen, on dry ice. Declared UN1845, dangerous goods class 9.
Hazard classification	None
Certificate of Analysis	Issued per lot and shipped with the product. Any lot can be retrieved at bramantebio.com/support/coa/

Research use only

For research use only. Not for use in diagnostic or therapeutic procedures, and not for human or veterinary use. The purchaser is responsible for determining suitability for their application and for compliance with applicable biosafety and institutional requirements.