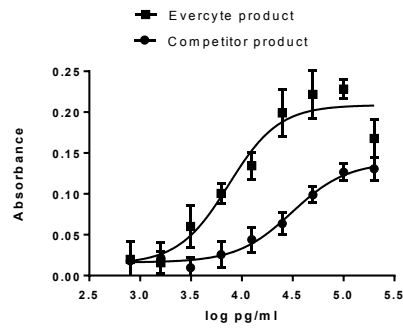


Product-Data-Sheet for recombinant human VEGF165

Vascular Endothelial Cell Growth Factor, human recombinant, expressed in *Pichia pastoris*
Version: March 2017

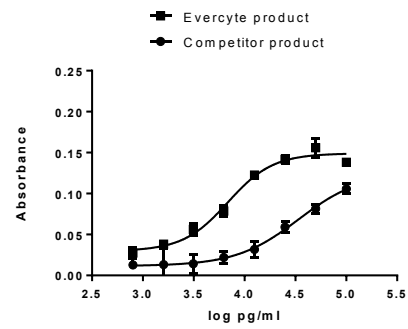
Product description	Human vascular endothelial growth factor (VEGF, VEGF-A, VEGF165), recombinant from <i>Pichia pastoris</i> Cell culture tested VEGF165 is a disulfide-linked homodimeric protein consisting of two 165AA chains; protein is not N-glycosylated
Catalog No	A-001-1005 / 5 µg A-001-1020 / 20 µg A-001-1100 / 100 µg
Sequence	APMAEGGGQN HHEVVKFMDV YQRSYCHPIE TLVDIFQEYP DEIEYIFKPS CVPLMRCGGC CNDEGLECVP TEESQITMQI MRIKPHQGQH IGEMSFLQHN KCECRPKKDR ARQENPCGPC SERRKHLFVQ DPQTCKCSCK NTDSRCKARQ LELNERTCRC DKPRR
Purity	>97 % as determined by RP-HPLC
Endotoxin level	<0.1 EU/µg as determined by LAL-Test
Form	Sterile filtered (0.2 µm) in PBS, pH 7.4; adjusted to 1 mg/ml and frozen in aliquots at -80°C
Potency	1-10 ng/ml ED ₅₀ as measured using endothelial cell proliferation assay (HUVEC/TERT2 cells, Evercyte, Cat#CHT-006-0008) The biological activity of Evercyte VEGF 165 is comparable to that of the World Health Organization (WHO) reference standard and competitive products.
Preparation instructions and storage	Thaw VEGF165 and freeze in working aliquots at -20°C. These aliquots can be stored up to 12 months without losing biological activity.
Product stability after thawing	After thawing the working aliquots can be stored at 4°C for up to 10 weeks (undiluted, figure A) and even diluted in medium for up to 4 weeks (figure B) without losing biological activity.

Figure A



Whereas a competitive product significantly loses biological activity after 10 weeks of storage at 4°C (EC₅₀ of >30 ng/ml), the Evercyte product remains stable (EC₅₀ of <10 ng/ml).

Figure B



When diluted in culture medium and stored at 4°C the EC₅₀ value of a competitive product increases (>33 ng/ml), whereas Evercyte VEGF165 remains stable.

Notices and disclaimers:

This product is intended for laboratory research purposes only. It is not intended for use in humans. The material safety data sheet provides information regarding hazards and safe handling practices.