

Product Datasheet

Recombinant Rat VEGF 164 Protein (orb2994452)

Catalog Number	orb2994452
Category	Proteins
Description	Recombinant Rat Vascular Endothelial Growth Factor A is produced by our Yeast expression system and the target gene encoding Ala27-Arg190(Ala36Thr) is expressed.
Conjugation	Unconjugated
Tag	Tag free
Form/Appearance	Lyophilized
Buffer/Preservatives	0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Purity	SDS-PAGE: Greater than 95% as determined by reducing SDS-PAGE.
UniProt ID	P16612
MW	Predicted: 19.2 KDa. Observed: 18-23 KDa, reducing conditions
Expression System	P.Pichia
Endotoxins	0.1 EU/µg as determined by LAL test.
Biological Origin	Rat

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Biological Activity

ELISA: Immobilized Rat VEGF 164(Cat#orb2994452) at 2µg/ml (100 µl/well) can bind Mouse VEGFR2-Fc(Cat#orb2993886).The ED50 of Mouse VEGFR2-Fc(Cat#orb2993886) is 22.17 ng/ml (Regularly tested).. BLI: Loaded Mouse VEGFR2-Fc(Cat#orb2993886) on Protein A Biosensor, can bind Rat VEGF 164(Cat#orb2994452) with an affinity constant of 0.26 nM as determined in BLI assay. Loaded Human VEGF Antibody (5E7)-Fc(Cat#DA082) on AHC Biosensor, can bind Rat VEGF 164(Cat#orb2994452) with an affinity constant of 1.09 nM as determined in BLI assay.

Expression Region

Ala27-Arg190(Ala36Thr)

Storage

Lyophilized protein should be stored at $\leq -20^{\circ}\text{C}$, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at $\leq -20^{\circ}\text{C}$ for 3 months.

Note

For research use only

Expiration Date

6 months from date of receipt.

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