Recombinant Mouse VEGF-D/VEGFD Protein (His Tag)

Catalog Number: PKSM041181

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

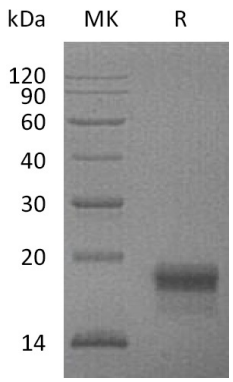
Description

Species	Mouse
Source	HEK293 Cells-derived Mouse VEGF-D/VEGFD protein Phe98-Ser206 , with an C-terminal His
Calculated MW	13.1 kDa
Observed MW	17-20 kDa
Accession	P97946
Bio-activity	Loaded Recombinant Mouse VEGFR2 (C-Fc)(PKSM041405) on Pro-A Biosensor, can bind Recombinant Mouse VEGF-D (C-6His)(PKSM041181) with an affinity constant of 1.61 nM as determined in BLI assay.

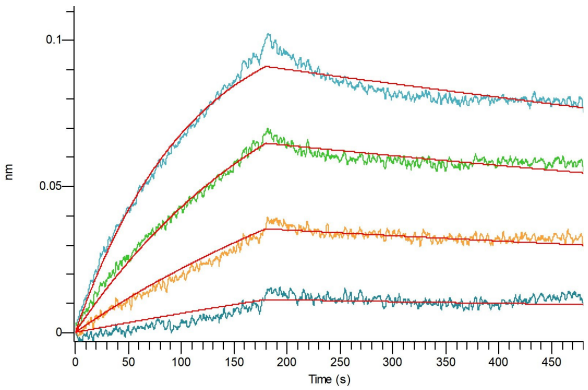
Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.



Loaded Recombinant Mouse VEGFR2 (C-Fc) (PKSM041405) on Pro-A Biosensor, can bind Recombinant Mouse VEGF-D (C-6His)(PKSM041181) with an affinity constant of 1.61 nM as determined in BLI assay.

Background

Mouse vascular endothelial growth factor D, (VEGFD) is a member of the platelet-derived growth factor/vascular endothelial growth factor (PDGF/VEGF) family. VEGFD is a secreted protein and highly expressed in fetal and adult lung. It undergoes a complex proteolytic maturation, generating multiple processed forms that bind and activate VEGFR-2 and VEGFR-3 receptors. The structure and function of this protein is similar to VEGFC. VEGFD is growth factor which active in angiogenesis, lymphangiogenesis, and endothelial cell growth, stimulating their proliferation and migration and also has effects on the permeability of blood vessels.