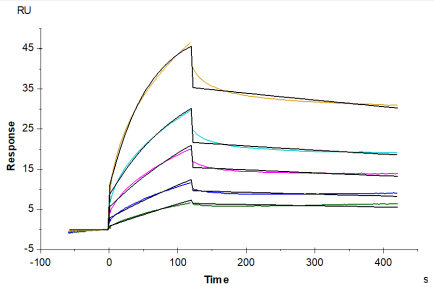
Bioactive HuPro®

ANGPTL4 (Human) Recombinant Protein

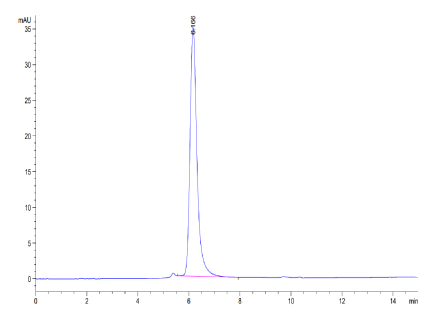
Catalog # P10039 Size 100 ug

Applications



Surface Plasmon Resonance

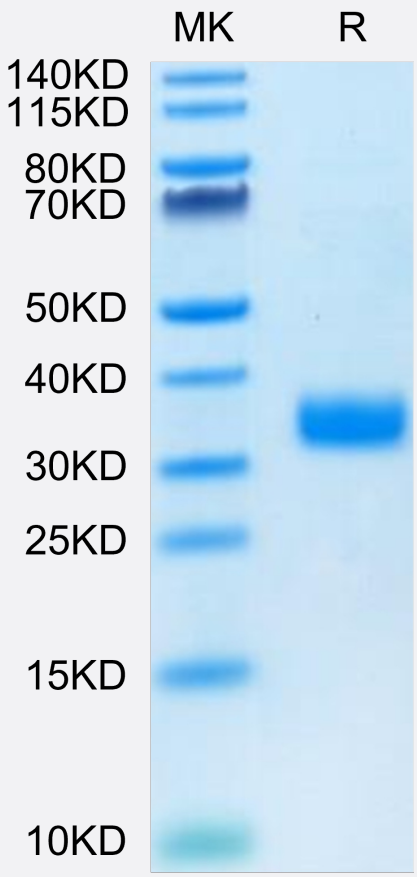
Human LILRB2, hFc Tag captured on CM5 Chip via Protein A can bind Human ANGPTL4, His Tag with an affinity constant of 24.50 nM as determined in SPR assay (Biacore T200).



SEC-HPLC

The purity of Human Angiopoietin-like 4 is greater than 95% as determined by SEC-HPLC.

Copyright © 2023 Abnova Corporation. All Rights Reserved.



Tris-Bis PAGE

Human Angiopoietin-like 4 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Specification

Product Description	Human ANGPTL4 (Q9BY76-1, Pro166-Ser406) partial recombinant protein with His tag at N-terminus expressed in HEK293 cells.
Sequence	Pro166-Ser406
Host	Human
Theoretical MW (kDa)	28.2
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Quality Control Testing	SEC-HPLC SEC-HPLC The purity of Human Angiopoietin-like 4 is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human Angiopoietin-like 4 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 %.

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Recommend Usage	Biological Activity ELISA SEC-HPLC SPR Tris-Bis PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from filtered solution in PBS, pH 7.4 (5% trehalose).
Storage Instruction	After reconstitution with deionized water to a final concentration more than 100 ug/ml, store at 4°C for 1 week. For long term storage, store at -80°C for 1 year. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- Enzyme-linked Immunoabsorbent Assay
- Surface Plasmon Resonance

  Human LILRB2, hFc Tag captured on CM5 Chip via Protein A can bind Human ANGPTL4, His Tag with an affinity constant of 24.50 nM as determined in SPR assay (Biacore T200).

Gene Info — ANGPTL4

Entrez GeneID	51129
Protein Accession#	Q9BY76-1
Gene Name	ANGPTL4
Gene Alias	ANGPTL2, ARP4, FIAF, HFARP, NL2, PGAR, pp1158
Gene Description	angiopoietin-like 4
Omim ID	605910
Gene Ontology	Hyperlink

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Gene Summary	This gene is a member of the angiopoietin/angiopoietin-like gene family and encodes a glycosylated, secreted protein with a fibrinogen C-terminal domain. This gene is induced under hypoxic conditions in endothelial cells and is the target of peroxisome proliferation activators. The encoded protein is a serum hormone directly involved in regulating glucose homeostasis, lipid metabolism, and insulin sensitivity and also acts as an apoptosis survival factor for vascular endothelial cells. The encoded protein may play a role in several cancers and it also has been shown to prevent the metastatic process by inhibiting vascular activity as well as tumor cell motility and invasiveness. Decreased expression of this protein has been associated with type 2 diabetes. Alternatively spliced transcript variants encoding different isoforms have been described. This gene was previously referred to as ANGPTL2 but has been renamed ANGPTL4. [provided by RefSeq
Other Designations	PPARG angiopoietin related protein|angiopoietin-like 4 protein|angiopoietin-related protein 4|fasting-induced adipose factor|hepatic angiopoietin-related protein|hepatic fibrinogen/angiopoietin-related protein|peroxisome proliferator-activated receptor (P

Pathway

- PPAR signaling pathway

Disease

- Amyotrophic lateral sclerosis
- Anoxia
- Atherosclerosis
- Cardiovascular Diseases
- Coronary Artery Disease
- Coronary Disease
- Diabetes Mellitus
- Dyslipidemias
- Edema
- Genetic Predisposition to Disease
- Kidney Failure
- Syndrome
- Weight Gain

Copyright © 2023 Abnova Corporation. All Rights Reserved.