

Bioactive

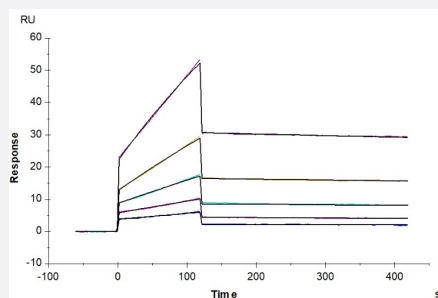
HuPro®

## ANGPTL2 (Human) Recombinant Protein (Biotin)

Catalog # P10344

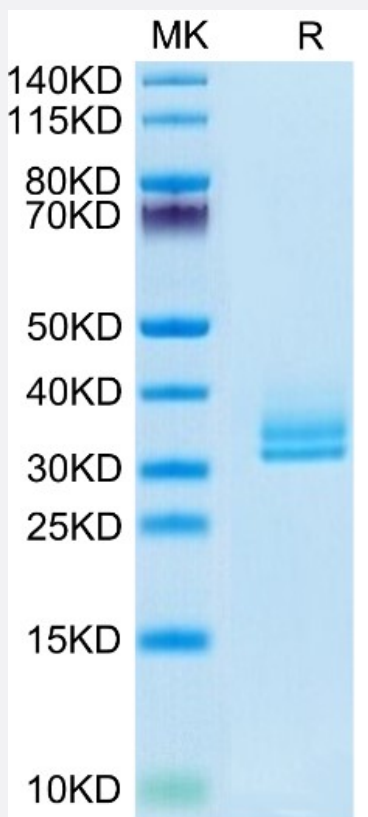
Size 100 ug

### Applications



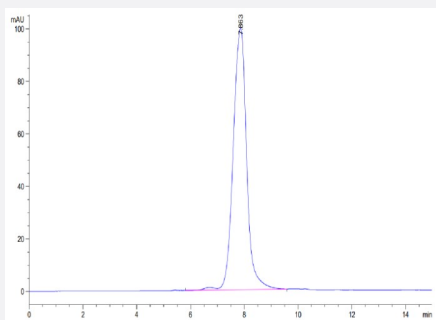
#### Surface Plasmon Resonance

Human LILRB2, hFc Tag captured on CM5 Chip via Protein A can bind Biotinylated Human ANGPTL2, His Tag with an affinity constant of 65.63 nM as determined in SPR assay (Biacore T200).



#### Tris-Bis PAGE

Biotinylated Human ANGPTL2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



## SEC-HPLC

The purity of Biotinylated Human ANGPTL2 is greater than 95% as determined by SEC-HPLC.

## Specification

<b>Product Description</b>	Human ANGPTL (Q9UKU9-1, Thr260-His493) partial recombinant protein with His-Avi tag at the C-terminus expressed in HEK293 cells.
<b>Sequence</b>	Thr260-His493
<b>Host</b>	Human
<b>Theoretical MW (kDa)</b>	30.1
<b>Reactivity</b>	Human
<b>Form</b>	Lyophilized
<b>Conjugation</b>	Biotin
<b>Preparation Method</b>	Mammalian cell (HEK293) expression system
<b>Purity</b>	> 95% by Tris-Bis PAGE > 95% by HPLC
<b>Endotoxin Level</b>	< 0.1 EU per 1 ug as determined by the LAL method.
<b>Activity</b>	The affinity constant was 65.63 nM, determined by SPR assay.
<b>Recommend Usage</b>	Biological Activity ELISA Tris-Bis PAGE SEC-HPLC The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	Lyophilized from 0.22 um filtered solution in PBS, 200 mM L-Arginine, pH 7.4. (8% trehalose).
<b>Storage Instruction</b>	Store at -20°C for 12 months. After reconstitution, store at 4°C for 2-7 days, or store at -80°C for 3-6 months. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Please use within one month after protein reconstitution.

## Applications

- Functional Study
- Surface Plasmon Resonance

Human LILRB2, hFc Tag captured on CM5 Chip via Protein A can bind Biotinylated Human ANGPTL2, His Tag with an affinity constant of 65.63 nM as determined in SPR assay (Biacore T200).

## Gene Info — ANGPTL2

**Entrez GeneID** [23452](#)

**Protein Accession#** [Q9UKU9-1](#)

**Gene Name** ANGPTL2

**Gene Alias** ARP2, HARP, MGC8889

**Gene Description** angiopoietin-like 2

**Omim ID** [605001](#)

**Gene Ontology** [Hyperlink](#)

**Gene Summary** Angiopoietins are members of the vascular endothelial growth factor family and the only known growth factors largely specific for vascular endothelium. Angiopoietin-1, angiopoietin-2, and angiopoietin-4 participate in the formation of blood vessels. ANGPTL2 protein is a secreted glycoprotein with homology to the angiopoietins and may exert a function on endothelial cells through autocrine or paracrine action. [provided by RefSeq]

**Other Designations** OTTHUMP00000022159|angiopoietin-related protein 2