

## 32-1031: ANGPTL2 Recombinant Protein

**Alternative Name :** Angiopoietin-related protein 2, Angiopoietin-like protein 2, ANGPTL2, ARP2, HARP.

### Description

Source : Escherichia Coli. ANGPTL2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 481 amino acids including a 10 a.a N-terminal His tag. The total molecular mass is 56kDa (calculated). Angiopoietins belong to the vascular endothelial growth factor family and the only known growth factors largely specific for vascular endothelium. Angiopoietins-1, 2 and 4 partake in the formation of blood vessels. ANGPTL2 displays angiogenic effects. Angiopoietin-like Protein 2 (ANGPTL2) is an anti-diabetic factor. ANGPTL2 induces sprouting in endothelial cells through an autocrine and paracrine action. ANGPTL2 increases insulin sensitivity in adipocytes. In addition, ANGPTL2 is a mediator of chronic adipose tissue inflammation. ANGPTL2 is widely expressed in the heart, small intestine, spleen and stomach. ANGPTL2 is also found in lower levels in the colon, ovary, adrenal gland, skeletal muscle and in prostate.

### Product Info

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 95.0% as determined by SDS-PAGE.
<b>Content :</b>	ANGPTL2 was filtered (0.4µm) and lyophilized from 0.5mg/ml in 0.03M Acetate buffer pH 4.0.
<b>Storage condition :</b>	Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
<b>Amino Acid :</b>	MKHHHHHHASQEDGFEGTEE GSPREFIYLN RYKRAGESQD KCTYTFIVPQ QRVTAICVN SKEPEVLLEN RVHKQELELL NNELLKQKRQ IETLQQLVEV DGGIVSEVKL LRKESRNMNS RVTQLYMQLL HEIRKRDNA LELSLENRI LNQTADMLQL ASKYKDLEHK YQHLATLAHN QSEIIAQLEE HCQRVPSARP VPQPPPAAPP RVYQPPTYNR IINQISTNEI QSDQNLKVLP PPLPTMPTLT SLPSSDTPS GPWRDCLQAL EDGHDTSYIY LVPENTNRL MQVWCDQRHD PGGWTVIQRR LDGSVNFFRN WETYKQGFN IDGEYWLGLE NIYWLTNQGN YKLLVTMEDW SGRKVFAEYA SFRLEPESEY YKLRLGRYHG NAGDSFTWHN GKQFTTLDRD HDVYTGNAH YQKGGWWYNA CAHSNLNGVW YRGGHYRSRY QDGVYWAEFR GGSYSLKKVV MMIRPNPNTF H.

### Application Note

It is recommended to add 0.1M Acetate buffer pH-4 to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. For conversion into higher pH value, an intensive dilution by relevant buffer to a concentration of 10µg/ml is recommended. In higher concentrations the solubility of the ANGPTL2 is limited. ANGPTL2 is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

