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**Product Data Sheet**


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Product Name: ANGPTL6 Human

Cat. No.: GP20043

Batch No.: 1

**Product Data**

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Angiopoietin-Like Protein 6; Angiopoietin-Related Protein 5; Angiopoietin-Related Growth Factor; Angiopoietin-Related Protein 6;AGF; ARP5.		
Amino Acid Sequence	<p>MKHHHHHHAS RAGAPRCTYT FVLPPQKFTG AVCWSGPAST RATPEANAS          ELAALRMRVG RHEELLRELQ RLAAADGAVA GEVRALRKES RGLSARLGQL          RAQLQHEAGP GAGPGADLGA EPAAALALLG ERVLNASAEA QRAAARFHQL          DVKFRELAQL VTQQSSLIAR LERLCPGGAG GQQQVLPPPP LVPVVPVRLV          GSTSDTSRML DPAPEPQRDQ TQRQQEPMAS PMPAGHPAVP TKPVGPWQDC          AEARQAGHEQ SGVYELRVGR HVVSVWCEQQ LEGGGWTVIQ RRQDGSVNFF          TTWQHYPKAGF GRPDGEYWLG LEPVYQLTSR GDHELLVLE DWGGRGARA          YDGFSLPEPES DHYRLRLGQY HGDAGDSLWS HNDKPFSTVD RDRDSYSGNC          ALYQRGGWWY HACAHSNLNG VWHHGGHYRS RYQDGVYWAE          FRGGAYSLRK AAMLIRPLKL</p>		
Solubility	Add 0.1M acetate buffer pH 4.0 to prepare a working stock solution of 0.5 mg/ml and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10µg/ml. In higher concentrations the solubility of this antigen is limited. Product is not sterile! Please filter the product by appropriate sterile filter before using it in the cell culture.		
Formulation	Filtered (0.4 µm) and lyophilized from a 0.5mg/ml solution containing 0.05M Acetate bufferpH 4.0.		

**Introduction**

ANGPTL6 is a protein-coding gene which takes part in several processes. ANGPTL6 is involved in the wound healing process, promotes the chemotactic activity of endothelial cells and induce neovascularization. ANGPTL6 also counteracts high-fat diet-induced

**Caution: Product has not been fully validated for medical applications. For research use only.**

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obesity and related insulin resistance through increased energy expenditure. Additionally ANGPTL6 promotes epidermal proliferation, remodeling and regeneration. Diseases linked with ANGPTL6 include enterobiasis, and gnathomiasis.

### Stability

Lyophilized ANGPTL6 although stable at room temperature for 3 weeks, should be stored desiccated below  $-18^{\circ}\text{C}$ . Upon reconstitution ANGPTL6 should be stored at  $4^{\circ}\text{C}$  between 2-7 days and for future use below  $-18^{\circ}\text{C}$ .

### Background

ANGPTL6 Human Recombinant produced in E.coli is a polypeptide chain containing 460 amino acids and having a total molecular mass of 50.7 kDa. ANGPTL6 contains a N-Terminal 10 aa His-Tag.

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