

## ANGPTL3 Human

**Description:**The ANGPTL3 Human Recombinant is produced with N-terminal fusion of His-Tag.

The Angiotensin-like protein 3 His Tagged Fusion Protein is 26kDa containing 207 amino acid residues of the ANGPTL3 Human and 16 additional amino acid residues His-Tag

(underlined).MRGSHHHHHH GMASHMSRID QDNSSFDSLS PEPKSRFAML DDVKILANGL  
LQLGHGLKDF VHKTKGQIND IFQKLNIFDQ SFYDLSLQTS EIKEEEKELR RTTYKLQVKN  
EEVKNMSLEL NSKLESLEE KILLQQVKY LEEQLNLIQ NQPETPEHPE VTSCLKTFVEK  
QDNSIKDLLQ TVEDQYKQLN QQHSQIKEIE NQLRRTSIQE PTEISLSSKP RAP.

**Synonyms:**Angiotensin 5, ANGPT5, ANGPTL3, Angiotensin Like Protein 3.

**Source:**Escherichia Coli.

**Purity:**Angiotensin 5 purity is greater than 95% as determined by SDS-PAGE.

**Purification Method:**

One-step procedure using affinity Ni-NTA chromatography.

**Specificity:**

The amino acid sequence of the ANGPTL3 Human recombinant is 100% homologous to the 17-223 amino acid sequence of the Human Angiotensin-like proteins-3 precursor without signal sequence.

**Formulation:**

ANGPTL3 Human Sterile filtered and lyophilized from 0.5 mg/ml in 0.05M Acetate buffer pH-4.

**Stability:**

Store lyophilized ANGPTL3 Human at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted Angiotensin 5 can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Applications:**

Western blotting, ELISA.

**Solubility:**

Add 0.2 ml of 0.1M Acetate buffer pH-4 and let the lyophilized pellet of ANGPTL3 Human dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10g/ml. In higher concentrations the solubility of Angiotensin 5 is limited.

**Introduction:**

ANGPTL3 and ANGPTL4 are angiotensin-like proteins secreted and expressed mainly by the liver, their role being the regulation of triglyceride metabolism by inhibiting the lipolysis of triglyceride-rich lipoproteins. During different nutritional states (feeding/fasting) the levels of the circulating triglycerides are regulated by Angptl3 and Angptl4 through differential inhibition of

www.neobiolab.com  
info@neobiolab.com  
888.754.5670, +1 617.500.7103 United States  
0800.088.5164, +44 020.8123.1558 United Kingdom



Lipoprotein lipase (LPL) as shown by the experimental data. The molecular structure of ANGPTL3 is similar to that of the angiopoietins (vascular endothelial growth factors). Deletion mutants of human Angiopoietin 5 were used in order to demonstrate that the N-terminal domain (fragment 17-207) and not the C-terminal fibrinogen-like domain (fragment 207-460) increased the plasma triglyceride levels in mice.

Catalog #:CYP5-255

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