

Human Angiopoietin-like 4 / ANGPTL4 (166-406) Protein, His Tag

Catalog # AN4-H5243



Synonym

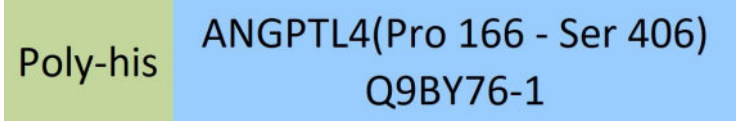
ANGPTL4,ARP4,FIAF,HFARP,PGAR,pp1158,Angiopoietin like 4

Source

Human Angiopoietin-like 4 (166-406), His Tag(AN4-H5243) is expressed from human 293 cells (HEK293). It contains AA Pro 166 - Ser 406 (Accession # [Q9BY76-1](#)).

Predicted N-terminus: His

Molecular Characterization



This protein carries a polyhistidine tag at the N-terminus.

The protein has a calculated MW of 27.9 kDa. The protein migrates as 31-35 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

Purity

>95% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in 50 mM MOPS, 100 mM NaCl, pH7.2 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

Storage

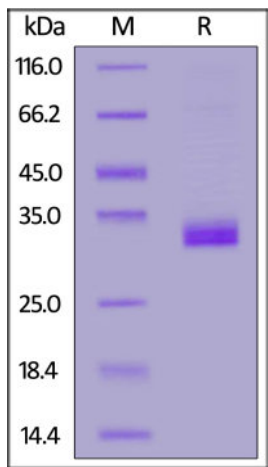
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human Angiopoietin-like 4 (166-406), His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

Background

Angiopoietin-related protein 4 (ANGPTL4) is also known as Hepatic fibrinogen / angiopoietin - related protein (HFARP), ARP4, PGAR. ANGPTL4 contains one fibrinogen C-terminal domain. ANGPTL4 is a homooligomer , and the homooligomer undergoes proteolytic processing to release its carboxyl fibrinogen-like domain, which circulates as a monomer. The homooligomer unprocessed form is able to interact with the extracellular matrix. ANGPTL4 may act as a regulator of



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angiogenesis and modulate tumorigenesis. ANGPTL4 inhibits proliferation, migration, and tubule formation of endothelial cells and reduces vascular leakage. ANGPTL4 may exert a protective function on endothelial cells through an endocrine action.

