



## 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

Poly-his	ANGPTL4(Pro 166 - Ser 406) Q9BY76-1
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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  $\mu$ g by the LAL method / rFC method.

## Purity

>95% as determined by SDS-PAGE.

## Formulation

Lyophilized from 0.22  $\mu$ m 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

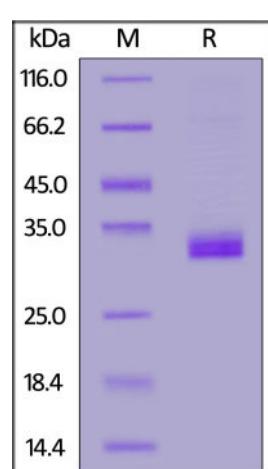
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

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

Catalog # AN4-H5243



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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.

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