

## Human Ang-2, His Tag, CHO

<b>Catalog Number</b>	LDG031PHM
<b>Package</b>	5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



### Specifications

#### Species of Origin

Human

#### Expression system

CHO

#### Affinity Tag

His Tag (C-term)

#### Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

#### Purity

>90% as determined by SDS-PAGE analysis.

#### Molecular weight

The protein has a calculated MW of 55.73 kDa.  
The protein migrates as 30-72 kDa under reducing condition (SDS-PAGE analysis).

#### Endotoxin level

<0.1 EU per 1 µg of the protein by the LAL method.

#### Mycoplasma

Not detected

#### Form

Lyophilized

### Background

#### Tainan Headquarter

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### Background

Angiopoietin-2 (Ang-2) protein is a ligand for the Tie-2 receptor, crucial for angiogenesis and vascular remodeling. Unlike Angiopoietin-1 (Ang-1), Ang-2 destabilizes blood vessels, promoting endothelial cell apoptosis and vascular leakage. Ang-2 expression is upregulated during inflammation and vascular remodeling, contributing to pathological angiogenesis in diseases like cancer and retinopathy. Targeting Ang-2 signaling shows promise in inhibiting tumor growth and metastasis. However, its precise roles in angiogenesis and disease progression are still under investigation. Understanding Ang-2's functions provides insights into vascular biology and potential therapeutic strategies for angiogenesis-related disorders.

### Uniprot ID

O15123

### Synonyms

Angiopoietin-2

### Sequence Note

Met1-Phe496

## Instruction

### Reconstitution

It is recommended to reconstitute the lyophilized protein in 4 mM HCl to a concentration of 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

### Stability & Storage

This product is stable after storage at:

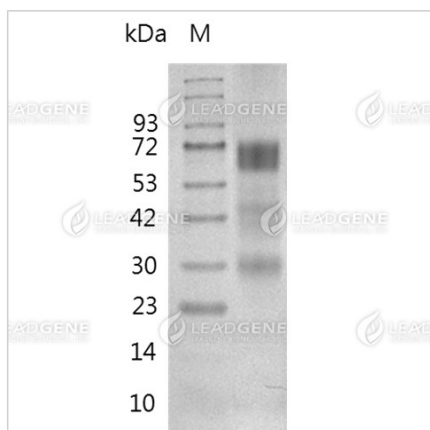
- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

### Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

## Image



SDS-PAGE analysis of recombinant human Ang-2.

**Disclaimer :** For Research Use or Further Manufacturing Only.