

## Human PROS1, His-SUMO Tag, E. coli

**Catalog Number** LDG182PHE

**Package** 5 µg / 20 µg / 100 µg / Customized package

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



### Specifications

#### Species of Origin

Human

#### Affinity Tag

His-SUMO Tag (N-term)

#### Purity

>95% as determined by SDS-PAGE analysis.

#### Endotoxin Level

<1.0 EU per 1 µg of the protein by the LAL method.

#### Expression System

Escherichia coli

#### Storage Buffer

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

#### Molecular weight

The protein has a calculated MW of 82.89 kDa. The protein migrates as 75 kDa under reducing condition (SDS-PAGE analysis).

#### Form

Lyophilized

### Background

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### Background

PROS1, also known as protein S, is a vitamin K-dependent protein that plays a crucial role in the regulation of blood coagulation. It functions as a cofactor for protein C, another key player in the coagulation cascade.

PROS1 acts as an anticoagulant by inhibiting the activity of certain clotting factors and promoting the breakdown of blood clots. It helps maintain the balance between clotting and anticoagulation, preventing the formation of excessive blood clots that can lead to thrombosis.

### Uniprot ID

# P07225

### Synonyms

PROS, Vitamin K-dependent protein S

### Sequence Note

Ala42-Ser676

## Instruction

### Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 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.

### Tainan Headquarter

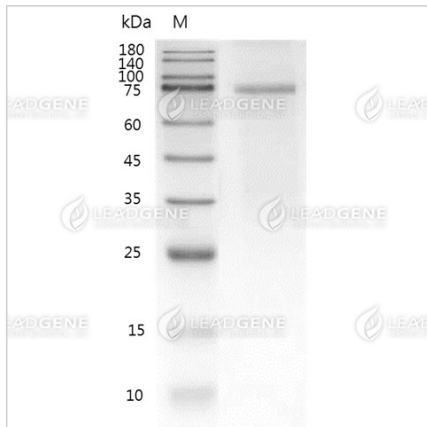
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## Image



SDS-PAGE analysis of  
recombinant human PROS1.

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

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