

Recombinant Pig ANGPT1 Protein, His-tagged

Cat. No. ANGPT1-151P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Pig ANGPT1 Protein (Arg284-Cys452) with N-His tag was expressed in E. coli.
Species	Pig
Source	E.coli
ProteinLength	Arg284-Cys452
Description	Binds and activates TIE2 receptor by inducing its tyrosine phosphorylation. Implicated in endothelial developmental processes later and distinct from that of VEGF. Appears to play a crucial role in mediating reciprocal interactions between the endothelium and surrounding matrix and mesenchyme. Mediates blood vessel maturation/stability. It may play an important role in the heart early development.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 19.4 kDa Accurate Molecular Mass: 19 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

ANGPT1 angiotensinogen 1 [*Sus scrofa* (pig)]

Official Symbol

ANGPT1

Synonyms

ANGPT1; angiotensinogen 1; angiotensinogen-1; ANG-1; AGPT

Gene ID

397009

mRNA Refseq

NM_213959

Protein Refseq

NP_999124

UniProt ID

A0A5G2QU27

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