

Datasheet for ABIN7319856

**Angiopoietin 1 Protein (ANGPT1) (Fc Tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	50 µg
Target:	Angiopoietin 1 (ANGPT1)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Angiopoietin 1 protein is labelled with Fc Tag.

## Product Details

Purpose:	Recombinant Human Angiopoietin-1/ANG1 (N-Fc)
Sequence:	Asp256-Phe498
Characteristics:	Recombinant Human Angiopoietin-1 is produced by our Mammalian expression system and the target gene encoding Asp256-Phe498 is expressed with a Fc tag at the N-terminus.
Purity:	>95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	Angiopoietin 1 (ANGPT1)
Alternative Name:	Angiopoietin-1/ANG1 ( <a href="#">ANGPT1 Products</a> )
Background:	Background: Angiopoietin-1 (Ang-1) is a secreted glycoprotein that plays a critical role in the development and maintenance of the vascular system. The angiopoietin (ANGPT)-TIE2/TEK signaling pathway is essential for blood and lymphatic vascular homeostasis. ANGPT1 is a

## Target Details

potent TIE2 activator, whereas ANGPT2 functions as a context-dependent agonist/antagonist. Angiopoietin-1 can protect against pulmonary arterial hypertension, reduce the extent of fibrosis and remodeling in infarcted diabetic myocardium, and enhance tumor progression and metastasis.

Synonym: AGP1, AGPT, Ang1, ANG-1, angiopoietin 1, Angiopoietin-1, ANGPT1

Molecular Weight: 53.9 kDa

UniProt: [Q15389](#)

Pathways: [RTK Signaling](#), [Glycosaminoglycan Metabolic Process](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

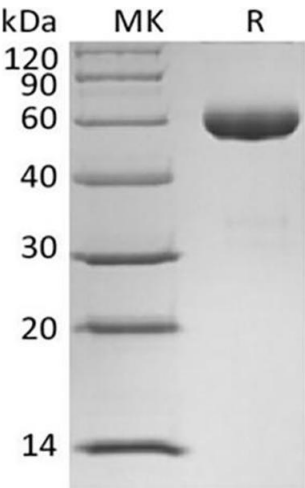
Reconstitution: Please refer to the printed manual for detailed information.

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

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

## Images



### Western Blotting

Image 1.