

Datasheet for ABIN7320897

Angiopoietin 2 Protein (ANGPT2) (Fc Tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	Angiopoietin 2 (ANGPT2)
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Angiopoietin 2 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Mouse Angiopoietin-2/ANG2 (C-Fc)
Sequence:	Tyr19-Phe496
Characteristics:	Recombinant Mouse Angiopoietin-2 is produced by our Mammalian expression system and the target gene encoding Tyr19-Phe496 is expressed with a Fc tag at the C-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 2 (ANGPT2)
Alternative Name:	Angiopoietin-2/ANG2 (ANGPT2 Products)
Background:	Background: Angiopoietin-2 (Ang-2, also ANGPT2) is a secreted glycoprotein that plays a complex role in angiogenesis and inflammation. Both Ang-2 and the related Angiopoietin-1 (Ang-1) are ligands for the receptor tyrosine kinase Tie-2. While Ang-1 is a potent Tie 2 agonist,

Target Details

Ang-2 may act as either a Tie-2 antagonist or agonist, depending upon its state of multimerization. The higher the order of oligomer, the more effective Ang-2 becomes as a Tie-2 agonist. The short isoform appears to block the binding of either Ang-1 or full-length Ang-2 to Tie-2. Ang-2 functions as a pro-angiogenic factor, although it can also induce EC death and vessel regression. Upon its release from quiescent EC, it regulates vascular remodeling by promoting EC survival, proliferation, and migration and destabilizing the interaction between EC and perivascular cells. In addition, ANG-2 is strongly expressed in the vasculature of many tumors and it has been suggested that ANG-2 may act synergistically with other cytokines such as vascular endothelial growth factor to promote tumor-associated Angiogenesis and tumor progression.

Synonym: AGPT2, ANG2, ANG-2, angiopoietin 2, Angiopoietin-2, angiopoietin-2a, angiopoietin-2B, angiopoitin 2, ANGPT2, Tie2-ligand

Molecular Weight:	81.4 kDa
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UniProt:	O35608
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Pathways:	RTK Signaling
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Application Details

Restrictions:	For Research Use only
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Handling

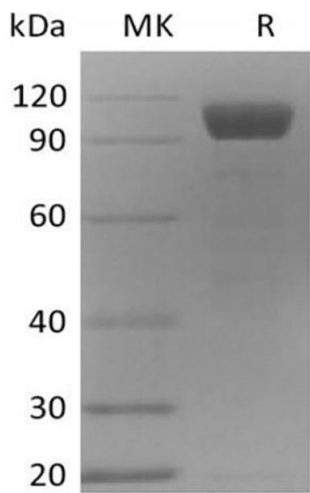
Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
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Storage:	4 °C, -20 °C, -80 °C
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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.
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Western Blotting

Image 1.