

Angiopoietin-1 Protein, Cynomolgus (HEK293, His)

Cat. No.:	HY-P76146
Synonyms:	AGP1; AGPT; ANG-1; Angiopoietin-1; ANGPT1
Species:	Cynomolgus
Source:	HEK293
Accession:	XP_005563980 (R277-F498)
Gene ID:	102123994
Molecular Weight:	Approximately 27.9 kDa.

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	ANGPT1 encodes a secreted glycoprotein in the angiopoietin family and is a key ligand in the vasotirosine kinase signaling pathway. ANGPT1 stimulates angiogenesis by activating PTK2/FAK and downstream kinase MAPK1/ERK2 and MAPK3/ERK1 signaling pathways. The Angiopoietin-1 Protein regulates the formation and stability of blood vessels and plays an important role in vascular development. ANGPT1 affects the proliferation, migration and differentiation of skeletal muscle cells ^{[1][2][3]} .
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA