

## Angiopoietin-1 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P74412
Synonyms:	AGP1; AGPT; ANG-1; Angiopoietin-1; ANGPT1
Species:	Mouse
Source:	HEK293
Accession:	NP_033770.2 (R277-F498)
Gene ID:	11600
Molecular Weight:	Approximately 28 kDa

### PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice

### DESCRIPTION

Background	Angiopoietin-1 (ANGPT1) encodes a secreted glycoprotein within the angiopoietin family of vascular growth factors. As a crucial ligand in the vascular tyrosine kinase signaling pathway, this protein actively regulates the formation and stabilization of blood vessels, demonstrating its pivotal role in vascular development. Beyond its vascular functions, ANGPT1 operates in striated muscles, influencing the proliferation, migration, and differentiation of skeletal myoblasts. Moreover, ANGPT1 plays a vital role in orchestrating the vascular response to tissue injury. The gene exhibits alternative splicing, resulting in multiple transcript variants. Its broad expression across various tissues, including the heart, lung, and other anatomical sites, underscores the significance of ANGPT1 in diverse physiological contexts.
------------	--

**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