

## Angiopoietin-1 Protein, Cynomolgus (HEK293, Fc)

Cat. No.:	HY-P76145
Synonyms:	AGP1; AGPT; ANG-1; Angiopoietin-1; ANGPT1
Species:	Cynomolgus
Source:	HEK293
Accession:	XP_005563980 (R277-F498)
Gene ID:	102123994
Molecular Weight:	Approximately 54.1 kDa.

### PROPERTIES

Appearance	Solution
Formulation	Supplied as a 0.2 µm filtered solution of PBS, 10%glycerol, 4%Trehalose, 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	ANGPT1 encodes a secreted glycoprotein in the angiopoietin family and is a key ligand in the vasotyrosine 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 <sup>[1][2][3]</sup> .
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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