

## Product datasheet for **TP762574**

### Angiopoietin 1 (ANGPT1) (NM\_001146) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human angiopoietin 1 (ANGPT1), transcript variant 1, full length, with N-terminal GST and C-terminal His tag, expressed in E.coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region full length of ANGPT1
Tag:	N-GST and C-HIS
Predicted MW:	57.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_001137</a>
Locus ID:	284
UniProt ID:	<a href="#">Q15389</a>
RefSeq Size:	4338
Cytogenetics:	8q23.1
RefSeq ORF:	1494
Synonyms:	AGP1; AGPT; ANG1; HAE5



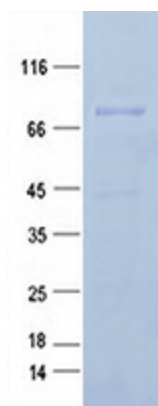
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**Summary:**

This gene encodes a secreted glycoprotein that belongs to the angiotensin family. Members of this family play important roles in vascular development and angiogenesis. All angiotensins bind with similar affinity to an endothelial cell-specific tyrosine-protein kinase receptor. The protein encoded by this gene is a secreted glycoprotein that activates the receptor by inducing its tyrosine phosphorylation. It plays a critical role in mediating reciprocal interactions between the endothelium and surrounding matrix and mesenchyme and inhibits endothelial permeability. The protein also contributes to blood vessel maturation and stability, and may be involved in early development of the heart. Mutations in this gene are associated with hereditary angioedema. [provided by RefSeq, Aug 2020]

**Protein Families:**

Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein

**Product images:**

Purified recombinant protein ANGPT1 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.