

Product datasheet for TP723011

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.
Species:	Human
Expression Host:	HeLa
Expression cDNA Clone or AA Sequence:	SNQRRSPENS GRRYNRIQHG QCAYTFILPE HDGNCRESTT DQYNTNALQR DAPHVEPDFS SQKLQHLEHV MENYTQWLQK LENYIVENMK SEMAQIQNA VQNHTATMLE IGTSLLSQTA EQTRKLT DVE TQVLNQT SRL EIQLLENSLS TYKLEKQLLQ QTNEILKIHE KNSLLEHKIL EMEGKHKEEL DTLKEEKENL QGLVTRQTYI IQELEKQLNR ATTNNSVLQK QQLELMDTVH NLVNLCTKEG VLLKGGKREE EKPFRCADV YQAGFNKSGI YTIYINNMPE PKKVFCNMDV NNGGWTVIQH REDGSLDFQR GWKEYKMGFG NPSGEYWLGN EFIFAITSQR QYMLRIELMD WEGNRAYSQY DRFHIGNEKQ NYRLYLK GHT GTAGKQSSLI LHGADFSTKD ADNDNCMCKC ALMLTGGWWF DACGPSNLNG MFYTAGQNHG KLNGIKWHYF KGPSYSLRST TMMIRPLDFH HHHHH
Tag:	C-His
Predicted MW:	57.3
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	Determined by the dose-dependent stimulation of the proliferation of human umbilical vein endothelial cells (HUVEC).
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_001137
Locus ID:	284
UniProt ID:	Q15389
RefSeq Size:	4338
Cytogenetics:	8q23.1



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RefSeq ORF: 1494

Synonyms: AGP1; AGPT; ANG1; HAE5

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:

