

Product datasheet for **TP726645**

Angiopoietin 1 (ANGPT1) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human ANG1 (N-Fc)
Species:	Human
Expression cDNA Clone or AA Sequence:	Asp256-Phe498
Tag:	N-Fc
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS,pH7.4.
Note:	Recombinant Human Angiopoietin-1 is produced by our Mammalian expression system and the target gene encoding Asp256-Phe498 is expressed with a Fc tag at the N-terminus.
Stability:	12 months from date of despatch
Locus ID:	284
UniProt ID:	Q15389
Summary:	Angiopoietin-1 (Ang-1) is a secreted glycoprotein that plays a critical role in the development and maintenance of the vascular system. The angiopoietin (ANGPT)-TIE2/TEK signaling pathway is essential for blood and lymphatic vascular homeostasis. ANGPT1 is a potent TIE2 activator, whereas ANGPT2 functions as a context-dependent agonist/antagonist. Angiopoietin-1 can protect against pulmonary arterial hypertension, reduce the extent of fibrosis and remodeling in infarcted diabetic myocardium, and enhance tumor progression and metastasis.



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