

Product information

ANGPT1, 20-498 aa

Human, Recombinant, *E.coli*

Cat. No. IBATGP1236

Full name: Angiopoietin 1.

NCBI Accession No.: NP_001137

Synonyms: AGP1, AGPT, ANG1.

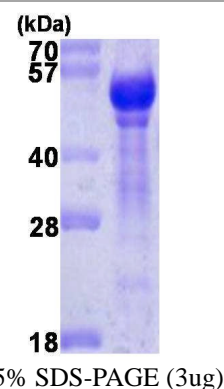
Description: Human ANGPT1 is a secreted ligand for Tie-2, a cell surface receptor tyrosine kinase expressed in endothelial and hemopoietic cells. This protein is glycosylated and has a fibrinogen-like domain at the carboxy terminus and coiled-coil regions in the amino terminus. ANGPT1 is an angiogenic factor that mediates blood vessel maturation and may be involved in endothelial development. Recombinant human ANGPT1 protein was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) 1M Urea, 5% Glycerol.

Molecular Weight: 55.6 kDa (480aa)

Purity: > 85 % by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



Sequences of amino acids:

MSNQRRSPEN SGRRYNR IQH GQCAYTF ILP EHDGNCREST TDQYNTNALQ RDAPHVEPDF SSQKLQHLEH VMENYTQWLQ KLENYIVENM
 KSEMAQIQQN AVQNHTATML E IGTSLLSQT AEQTRKLDV ETQVLNQTSR LEIQLLLENSL STYKLEKQLL QQTNEILKIH EKNSLLEHKI
 LEMEGKHKEE LDTLKEEKEN LQGLVTRQTY IIQELEKQLN RATTNNSVLQ KQQLLELMDTV HNLVNLCTKE GVLLKGGKRE EEKPFRCAD
 VYQAGFNKSG IYTIYINNMP EPKKVFCNMD VNGGGWTVIQ HREDGSLDFQ RGWKEYKMGF GNPSGEYWLG NEFIFAITSQ RQYMLRIELM
 DWEGNRAYSQ YDRFHIGNEK QNYRLYLKGH TGTAGKQSSL ILHGADFSTK DADNDNCMCK CALMLTGGWW FDACGPSNLN GMFYTAGQNH
 GKLNLIKWHY FKGPSYSLRS TTMMIRPLDF

General references:

Kopczynska E., *et al.* (2009) *Eur J Gynaecol Oncol.* 30(6):646-9.

Davis S., *et al.* (1996) *Cell.* 87(7):1161-9.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



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