# Recombinant human Angiopoietin 1/ANGPT1 protein

Catalog Number: ATGP1236

## PRODUCT INFORMATION

**Expression system**
E.coli

**Domain**
20-498aa

**UniProt No.**
Q15389

**NCBI Accession No.**
NP_001137

**Alternative Names**
Angiopoietin 1, AGP1, AGPT, ANG1

## PRODUCT SPECIFICATION

**Molecular Weight**
55.6 kDa (480aa)

**Concentration**
0.5mg/ml (determined by Bradford assay)

**Formulation**
Liquid in. 20mM Tris-HCl buffer (pH 8.0) 1M urea, 5% glycerol

**Purity**
> 85% by SDS-PAGE

**Tag**
Non-Tagged

**Application**
SDS-PAGE, Denatured

**Storage Condition**
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

**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.

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### Amino acid Sequence

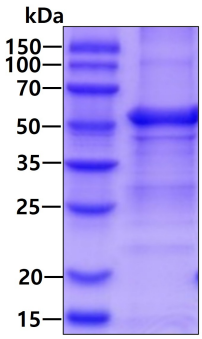
MSNQRRSPEN SGRRYNRIQH GQCAYTFILP EHDGNCREST TDQYNTNALQ RDAPHVEPDF SSQKLQHLEH VMENYTQWLQ KLENYIVENM KSEMAQIQQN AVQNHTATML EIGTSLLSQT AEQTRKLTDV ETQVLNQTSR LEIQLLENSL STYKLEKQLL QQTNEILKIH EKNSLLEHKI LEMEGKHKEE LDTLKEEKEN LQGLVTRQTY IIQELEKQLN RATTNNSVLQ KQQLELMDTV HNLVNLCTKE GVLLKGGKRE EEKPFRDCAD VYQAGFNKSG IYTIYINNMP EPKKVFCNMD VNGGGWTVIQ HREDGSLDFQ RGWKEYKMGF GNPSGEYWLG NEFIFAITSQ RQYMLRIELM DWEGNRAYSQ YDRFHIGNEK QNYRLYLKGH TGTAGKQSSL ILHGADFSTK DADNDNCMCK CALMLTGGWW FDACGPSNLN GMFYTAGQNH GKLNGIKWHY 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.

## DATA

### SDS-PAGE




3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.