

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

1mg/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

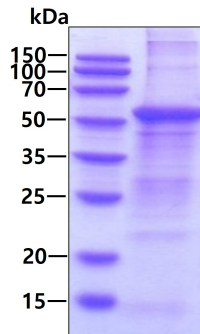
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HNLVNLCTKE GVLLKGGKRE EEKPFRCAD VYQAGFNKSG IYTIYINMP EPKKVFCNMD VNGGGWTVIQ HREDGSLDFQ
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ILHGADFSTK DADNDNCMCK CALMLTGGWW FDACGPSNLN GMFYTAGQNH GKLNGIKWHY FKGPSYSLRS TTMMIRPLDF

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.