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

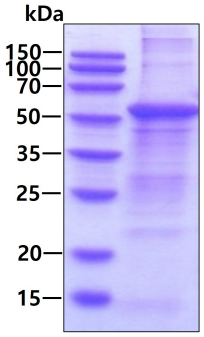
MSNQRRSPEN SGRRYNRIQH GQCAYTFILP EHDGNCREST TDQYNTNALQ RDAPHVEPDF SSQKLQHLEH VMENYTQWLQ KLENYIVENM KSEMAQIQQN AVQNHTATML EIGTSLLSQT AEQTRKLTDV ETQVLNQTSR LEIQLLENSL STYKLEKQLL QQTNEILKIH EKNSLLEHKI LEMEGKHKEE LDTLKEEKEN LQGLVTRQTY IIQELEKQLN RATTNNSVLQ KQQLELMDTV HNLVNLCTKE GVLLKGGKRE EEKPFRDCAD VYQAGFNKSG 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.