Angiopoietin 2 Recombinant Protein | ANG2 recombinant protein

Recombinant Human Angiopoietin 2 (ANG2)

CATALOG #	HOST	APPLICATIONS
AAA55770	**E.coli 19-485AA (O15123).**	**ELISA, Western Blot**

PRODUCT SYNONYMS

Angiopoietin 2; Recombinant Human Angiopoietin 2 (ANG2); ANG-2; AGPT2; ANGPT2.; ANG2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli 19-485AA (O15123).
Purity/Purification	> 90 % as determined by SDS-PAGE.
Form/Format	10 mM Tris-HCl, 1 mM EDTA, pH 8.0, with 20% glycerol.
Concentration	0.16 mg/mL (varies by lot)
Sequence	YNNFRKSMDS IGKKQYQVQH GSCSYTFLLP EMDNCRSSSS PYVSNAVQRD APLEYDDSVQ RLQVLENIME NNTQWLMKLE NYIQDNMKKE MVEIQQNAVQ NQTAVMIEIG TNLLNQTAEQ TRKLTDVEAQ VLNQTTRLEL QLLEHSLSTN KLEKQILDQT SEINKLQDKN SFLEKKVLAM EDKHIIQLQS IKEEKDQLQV LVSKQNSIIE ELEKKIVTAT VNNSVLQKQQ HDLMETVNNL LTMMSTSNSA KDPTVAKEEQ ISFRDCAEVF KSGHTTNGIY TLTFPNSTEE IKAYCDMEAG GGGWTIIQRR EDGSVDFQRT WKEYKVGFGN PSGEYWLGNE FVSQLTNQQR YVLKIHLKDW EGNEAYSLYE HFYLSSEELN YRIHLKGLTG TAGKISSISQ PGNDFSTKDG DNDKCICKCS QMLTGGWWFD ACGPSNLNGM YYPQRQNTNK FNGIKWYYWK GSGYSLK
Sequence Length	495
Applicable Applications for ANG2 recombinant protein	ELISA, WB (Western Blot)
Source	Human
Endotoxin	< 1.0 EU per ug of the protein as determined by the LAL method
Protein residues	With N-terminal 6xHis-tagged.
Usage	ANG2 Protein - Centrifuge the standard vial at 6000-10000rpm for 30s.
Preparation and Storage	Storage: Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. **Avoid repeated freeze-thaw cycles.** Stability: The recombinant protein is stable for up to 12 months from date of receipt at -80°C.

ADDITIONAL INFORMATION

Related Product Information for ANG2 recombinant protein	Angiopoietin-2 (Ang-2) is a secreted glycoprotein that plays a complex role in vascular development. Ang-2 contains an N-terminal coiled-coildomain, 58-254 amino acids (aa) and a C-terminal fibrinogen-like domain, 281-467 aa, that is also found in other proteins including fibrinogen, tenascin, and ficolin. Located at the N-terminus are stretches of hydrophobic residues typical of secretory signal sequences. While Ang-2 is widely expressed in the mouse embryo, it is restricted postnatally to pro-angiogenic regions including the placenta, ovaries, and uterus. Ang-2 has been implicated in cancer development due to its role in angiogenesis. Ang-2-mediated destabilization of mature vessel structures accompanied by the presence of VEGF, may contribute to the angiogenesis associated with tumor tissues.

NCBI AND UNIPROT INFORMATION

NCBI GI #	219518053
NCBI GeneID	285
UniProt Accession #	O15123; Q9NRR7; Q9P2Y7; A0AV38; A8K205; B7ZLM7
Molecular Weight	Predicted MW: 57.7 kDa Observed MW: 57 kDa
NCBI Official Full Name	Angiopoietin 2
NCBI Official Synonym Full Names	angiopoietin 2
NCBI Official Symbol	ANGPT2
NCBI Official Synonym Symbols	ANG2; AGPT2
NCBI Protein Information	angiopoietin-2; ANG-2; Tie2-ligand; angiopoietin-2B; angiopoietin-2a
UniProt Protein Name	Angiopoietin-2
UniProt Gene Name	**ANGPT2**
UniProt Synonym Gene Names	ANG-2
UniProt Entry Name	ANGP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/angpt2-recombinant-protein-elisa-wb-western-blot/55770