

ANGPT1 Human

Description: ANGPT1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 480 amino acids (20-498) and having a molecular mass of 55.6 kDa. The ANGPT1 is purified by proprietary chromatographic techniques.

Catalog #: CYPs-081

For research use only.

Synonyms: Angiopoietin 1, KIAA0003, ANG-1, AGP1, AGPT.

Source: E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MSNQRRSPEN SGRRYNRIQH GQCAYTFILP EHDGNCREST
TDQYNTNALQ RDAPHVEPDF SSQKLQHLEH VMENYTQWLQ KLENYIVENM KSEMAQIQQN
AVQNHTATML EIGTSLLSQT AEQTRKLTDV ETQVLNQTSR LEIQLENSL STYKLEKQLL
QQTNEILKIH EKNSLLEHKI LEMEGKHKEE LDTLKEEKEN LQGLVTRQTY IIQELEKQLN
RATTNNSVLQ KQ

Purity: Greater than 85% as determined by SDS-PAGE.

Formulation:

The ANGPT1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1M Urea and 5% glycerol.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

ANGPT1 is an angiogenic factor which intervenes in blood vessel maturation and takes part in endothelial development. ANGPT1 is a secreted ligand for Tie-2, a cell surface receptor tyrosine kinase expressed in endothelial and hemopoietic cells. The glycosylated ANGPT1 protein has a coiled-coil region in the amino terminus and a fibrinogen-like domain at the carboxy terminus.

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