



11 Park Drive, Suite 12
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Human Angiopoietin-2

ORDERING INFORMATION

Catalog No: rAP-0268

Size: 2 µg; 10µg

Storage: <- 20° C

Synonyms:

ANGPT2, Tie2-ligand, Ang-2, AGPT2, angiopoietin-2B, angiopoietin-2a, Angiopoietin-2 .

Description:

Angiopoietin-2 (Ang-2) Human, a 66 kDa protein consisting of 476 amino acid residues (N21-F496), is fused to a N-terminal myc-tag and produced in insect cells.

Source: *Insect Cells*

Physical Appearance: Sterile Filtered white lyophilized freeze dry powder.

Formulation: Ang-2 Human is formulated with no additives.

Solubility: It is recommended to reconstitute the lyophilized Angiopoietin-2 in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Angiopoietin-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Ang-2 Human Recombinant should be stored at 4°C between 2-7 days and for future use below -18°C.

For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Please prevent freeze-thaw cycles.

Purity:

The purity of Ang-2 Human is greater than 95.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

Biological Activity:

The biological activity of Angiopoietin-2 was determined by the induction of endothelial cell sprouting as described in Korff et al., 2001.

Protein content:

Protein quantitation was carried out by two independent methods:

1. UV spectroscopy at 280 nm using the absorbency value of 1.4 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics).
2. Analysis by RP-HPLC, using a standard solution of ANG-2 Human as a Reference Standard.

Usage: Angio-Proteomie'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.

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