

Human Angiopoietin 4 / ANG4 / ANGPT4 Protein (Fc Tag)

Catalog Number: 10293-H01H



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

AGP4; ANG-3; ANG4

Protein Construction:

A DNA sequence encoding the human ANGPT4 (Q9Y264) C-terminal fragment (Met 282-Ile 503) was fused with the Fc region of human IgG1 at the N-terminus.

Source: Human

Expression Host: HEK293 Cells

QC Testing

Purity: > 90 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Glu

Molecular Mass:

The recombinant human ANGPT4/Fc chimera is a disulfide-linked homodimeric protein. The reduced monomer consists of 483 amino acids and has a calculated molecular mass of 53.7 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhANGPT4/Fc monomer is approximately 66 kDa due to the glycosylation.

Formulation:

Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

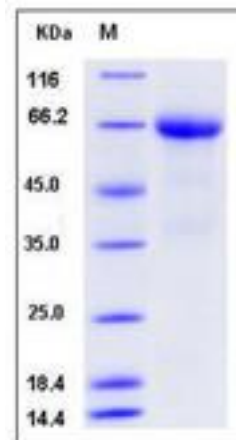
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



References

1.Grosios K, *et al.* (1999) Assignment of ANGPT4, ANGPT1, and ANGPT2 encoding angiopoietins 4, 1 and 2 to human chromosome bands 20p13, 8q22.3?q23 and 8p23.1, respectively, by in situ hybridization and radiation hybrid mapping. *Cytogenet. Cell Genet.* 84 (1-2): 118-20. 2.Yamakawa M, *et al.* (2004) Expression of angiopoietins in renal epithelial and clear cell carcinoma cells: regulation by hypoxia and participation in angiogenesis. *Am J Physiol Renal Physiol.* 287 (4): 649-57. 3.Oliner J, *et al.* (2004) Suppression of angiogenesis and tumor growth by selective inhibition of angiopoietin-2. *Cancer Cell.* 6 (5): 507-16.

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