

Description

| | |
|------------------|---|
| Source | Recombinant Rat ANGPT2/Angiopoietin-2 Protein is expressed from HEK293 with His tag at the N-terminus. It contains Lys275-Phe496. |
| Accession | O35462 |
| Molecular Weight | The protein has a predicted MW of 26.28 kDa. Due to glycosylation, the protein migrates to 30-40 kDa based on Bis-Tris PAGE result. |
| Endotoxin | Less than 1 EU per μ g by the LAL method. |
| Purity | > 95% as determined by Bis-Tris PAGE > 90% as determined by HPLC |

Formulation and Storage

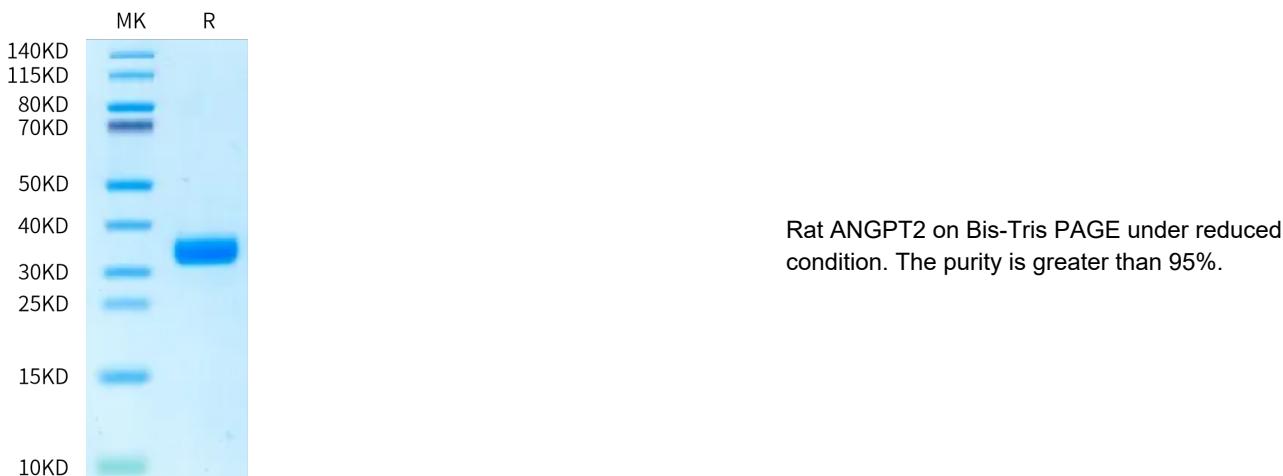
| | |
|-------------|--|
| Formulation | Supplied as 0.22 μ m filtered solution in PBS (pH 7.4). |
| Storage | Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

Background

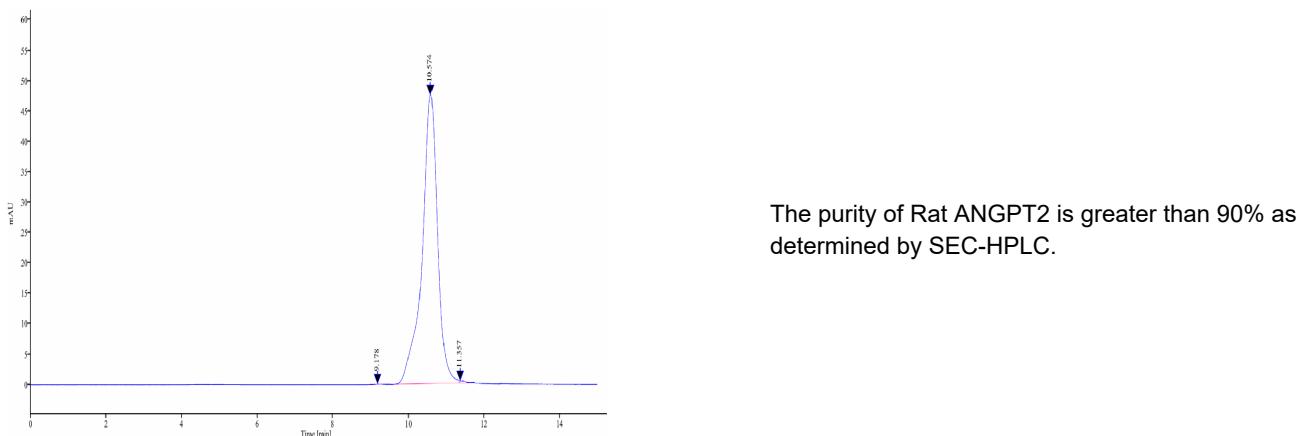
Angiopoietin-2 (Ang-2; also ANGPT2) is a secreted glycoprotein that plays a complex role in angiogenesis and inflammation. Mature Ang-2 is 478 amino acids in length. Ang2 is widely expressed during development, but it is restricted postnatally to highly angiogenic tissues such as the placenta, ovaries, and uterus. It is particularly abundant in vascular endothelial cells (EC) where it is stored in intracellular Weibel Palade bodies..

Assay Data

Bis-Tris PAGE



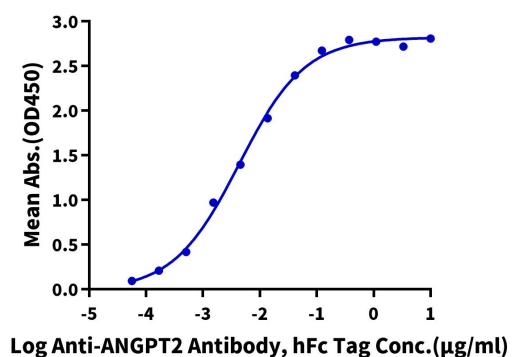
SEC-HPLC



Assay Data

ELISA Data

Rat ANGPT2, His Tag ELISA

0.1 μ g Rat ANGPT2, His Tag Per Well

Immobilized Rat ANGPT2, His Tag at 1 μ g/ml (100 μ l/well) on the plate. Dose response curve for Anti-ANGPT2 Antibody, hFc Tag with the EC50 of 4.3ng/ml determined by ELISA.