

# Human Angiopoietin-2/ANGPT2, C-His Tag Protein

## HA211354



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| <b>Product name:</b>                     | Human Angiopoietin-2/ANGPT2, C-His Tag   |
| <b>Species reactivity:</b>               | Human  |
| <b>Bio-Activity:</b>                     | Testing in progress.   |
| <b>Protein construction description:</b> | A DNA sequence encoding the human Angiopoietin-2/ANGPT2 protein (O15123-1) (Lys 275-Phe 496) was expressed with a His tag at the C-terminus. |

**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.

**Purity:** >95% as determined by SDS-PAGE.

**Endotoxin:** Less than 1.0 EU per µg by the LAL method.

**Fragment region:** Angiopoietin-2/ANGPT2 (275-496)

**Source:** HEK293

**Accession:** O15123-1

**Predicted molecular mass:** 27.3 kD

**Formulation:** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.

**Reconstitution:** Reconstitute at 250 µg/ml in sterile water.

**Storage:** Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.

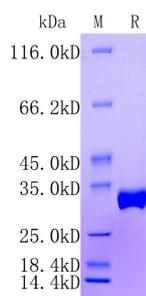
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**Fig1:** Protein on SDS-PAGE under reducing (R) condition.

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