

## Recombinant Human Ang-2

Cat. No. Ang-2-3456H Lot. No. (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Angiopoietin-2 / Ang-2   |
| <b>Species</b>          | Human  |
| <b>Source</b>           | CHO  |
| <b>ProteinLength</b>    | 655  |
| <b>Description</b>      | <p>This gene is a member of the aggrecan/versican proteoglycan family. The protein encoded is a large chondroitin sulfate proteoglycan and is a major component of the extracellular matrix. This protein is involved in cell adhesion, proliferation, proliferation, migration and angiogenesis and plays a central role in tissue morphogenesis and maintenance. Mutations in this gene are the cause of Wagner syndrome type 1. Multiple transcript variants encoding different isoforms have been found for this gene.</p> |
| <b>Form</b>             | Lyophilized  |
| <b>Molecular Mass</b>   | 372,820 Da   |
| <b>Purity</b>           | >95% by SDS-PAGE & HPLC analyses   |
| <b>Notes</b>            | <p>Small volumes of Ang-2 recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s</p>  |

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cap. Certain products may require to ship with dry ice.

**Warning**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

## GENE INFORMATION

|                            |  |
|----------------------------|--|
| <b>Gene Name</b>           | ANGPT2 angiotensin 2 [ Homo sapiens ]  |
| <b>Official Symbol</b>     | ANGPT2   |
| <b>Synonyms</b>            | ANG2; AGPT2; angiotensin-2; ANG-2; Tie2-ligand; angiotensin-2B; angiotensin-2a   |
| <b>Gene ID</b>             | 1462   |
| <b>mRNA Refseq</b>         | NM_001118887   |
| <b>Protein Refseq</b>      | NP_001112359   |
| <b>MIM</b>                 | 601922   |
| <b>UniProt ID</b>          | Q15123   |
| <b>Chromosome Location</b> | 8p23.1   |
| <b>Pathway</b>             | Angiotensin receptor Tie2-mediated signaling, organism-specific biosystem; Rap1 signaling pathway, organism-specific biosystem |
| <b>Function</b>            | metal ion binding; receptor binding  |

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