

## Recombinant Mouse Angpt2 protein, His-tagged

**Cat. No.** Angpt2-533M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Angpt2 (O35608) aa. (Tyr19~Ala147) fused with N-terminal His tag was produced in E. coli cells.                                                                                                                                           |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                       |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | Tyr19~Ala147                                                                                                                                                                                                                                                |
| <b>Description</b>      | This gene encodes an endothelial cell (EC)-derived regulator of angiogenesis and ligand for endothelial-specific receptor tyrosine kinase. The encoded protein acts as an anti-apoptotic factor for stressed ECs and a proapoptotic factor for resting ECs. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 16.4kDa                                                                                                                                                                                                                           |
| <b>Endotoxin</b>        | <1.0EU per 1g (determined by the LAL method)                                                                                                                                                                                                                |
| <b>Purity</b>           | > 95%                                                                                                                                                                                                                                                       |
| <b>Characteristic</b>   | The isoelectric point is 5.6.                                                                                                                                                                                                                               |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP.                                                                                                                                                                                                                                    |

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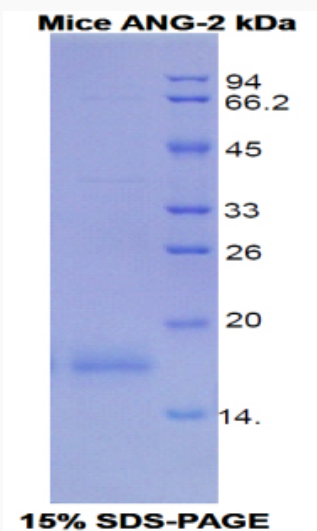
|                         |                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>          | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.                                                                                                                                                                                                                          |
| <b>Storage buffer</b>   | PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.                                                                                                                                                                                                                                                                                  |
| <b>Reconstitution</b>   | Reconstitute in sterile PBS, pH7.2-pH7.4                                                                                                                                                                                                                                                                                            |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                     |
| <b>Gene Name</b>        | Angpt2 angiopoietin 2 [ Mus musculus (house mouse) ]                                                                                                                                                                                                                                                                                |
| <b>Official Symbol</b>  | Angpt2                                                                                                                                                                                                                                                                                                                              |
| <b>Synonyms</b>         | Angpt2; angiopoietin 2; Ang2; Agpt2; Ang-2; angiopoietin-2                                                                                                                                                                                                                                                                          |
| <b>Gene ID</b>          | 11601                                                                                                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>      | NM_007426.4                                                                                                                                                                                                                                                                                                                         |
| <b>Protein Refseq</b>   | NP_031452.2                                                                                                                                                                                                                                                                                                                         |
| <b>UniProt ID</b>       | O35608                                                                                                                                                                                                                                                                                                                              |

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SDS-PAGE



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