



# Certificate of Analysis

## ACVR2B Protein, Human (HEK293, Fc)

|                   |   |
|-------------------|---|
| Cat. No.:         | HY-P72813   |
| Batch No.:        | 412645  |
| Species:          | Human   |
| Source:           | HEK293  |
| Tag:              | C-hFc   |
| Accession:        | Q13705 (S19-T134)                                 |
| Gene ID:          | 93  |
| Molecular Weight: | Approximately 55-70 kDa due to the glycosylation. |

### ANALYTICAL DATA

| TEST                | Specifications  | Results      |
|---------------------|---|--------------|
| Purity              | Greater than 95% as determined by reducing SDS-PAGE   | 97.00%       |
| Endotoxin Level     | <1 EU/μg, determined by LAL method.   | PASS         |
| Biological Activity | Measured by its ability to neutralize Activin-mediated inhibition on MPC11 cell proliferation. The ED <sub>50</sub> for this effect is 0.02-0.3496 μg/mL in the presence of 10 ng/mL recombinant Activin A. | 0.3496 μg/mL |
| Appearance          | Lyophilized powder  |              |
| Reconstitution      | It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O.   |              |
| Storage & Stability | Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.  |              |
| Shipping            | Room temperature in continental US; may vary elsewhere.   |              |

**Caution: Product has not been fully validated for medical applications. For research use only.**

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