



# Certificate of Analysis

## CHRD2 Protein, Mouse (HEK293, His)

|                   |                   |
|-------------------|-------------------|
| Cat. No.:         | HY-P70135         |
| Batch No.:        | 248183            |
| Species:          | Mouse             |
| Source:           | HEK293            |
| Tag:              | C-6*His           |
| Accession:        | Q8VEA6 (Q24-L426) |
| Gene ID:          | 69121             |
| Molecular Weight: | 57-73 kDa         |

### ANALYTICAL DATA

| TEST                | Specifications  | Results |
|---------------------|---|---------|
| Purity              | Greater than 95% as determined by reducing SDS-PAGE.  | ≥95.0%  |
| Endotoxin Level     | <1 EU/μg, determined by LAL method.   | PASS    |
| Biological Activity | Measured by its ability to inhibit BMP-4-induced alkaline phosphatase production by ATDC5 mouse chondrogenic cells. The IC <sub>50</sub> for this effect is 51.19 ng/mL in the presence of 150 ng/mL of rhBMP-4.  | PASS    |
| Appearance          | Lyophilized powder.   |         |
| Reconstitution      | It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose). |         |
| 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. 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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