



# Certificate of Analysis

## FCGRT-B2M Heterodimer Protein, Rat (HEK293, C-His)

|                   |                                     |
|-------------------|-------------------------------------|
| Cat. No.:         | HY-P75760A                          |
| Batch No.:        | 310475                              |
| Species:          | Rat                                 |
| Source:           | HEK293                              |
| Tag:              | C-His                               |
| Accession:        | P13599 (A23-S298)&P07151 (I21-M119) |
| Gene ID:          | 29558 & 24223                       |
| Molecular Weight: | Approximately 38-55 & 12 kDa        |

### ANALYTICAL DATA

| TEST                | Specifications                                                                                                                                                                                                    | Results |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| Purity              | Greater than 95% as determined by reducing SDS-PAGE.                                                                                                                                                              | ≥98.0%  |
| Endotoxin Level     | <1 EU/μg, determined by LAL method.                                                                                                                                                                               | PASS    |
| Biological Activity | Measured by its binding ability in a functional ELISA. When FCRN-B2M is immobilized at 2μg/mL (100 μL/well), can bind Biotinylated Human IgG1. The ED <sub>50</sub> for this effect is 109.3 ng/mL.               | 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 (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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