



Certificate of Analysis

SHH Protein, Mouse (HEK293)

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|-------------------|----------------------|
| Cat. No.: | HY-P701100 |
| Batch No.: | 266432 |
| Species: | Mouse |
| Source: | HEK293 |
| Tag: | Tag Free |
| Accession: | Q62226 (C25-G198) |
| Gene ID: | 20423 |
| Molecular Weight: | Approximately 20 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. | <1 EU/μg |
| Biological Activity | Measured by its ability to induce alkaline phosphatase production by C3H10T1/2 mouse embryonic fibroblast cells. The ED ₅₀ for this effect is 0.1110 μg/mL, corresponding to a specific activity is 9009.009 units/mg. | 0.1110 μg/mL |
| Appearance | Lyophilized powder | |
| Reconstitution | It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ 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. 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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