



# Certificate of Analysis

## SMAC/Diablo Protein, Human (His)

|                   |                      |
|-------------------|----------------------|
| Cat. No.:         | HY-P73416            |
| Batch No.:        | 293727               |
| Species:          | Human                |
| Source:           | <i>E. coli</i>       |
| Tag:              | C-His                |
| Accession:        | Q9NR28 (A56-D239)    |
| Gene ID:          | 56616                |
| Molecular Weight: | Approximately 22 kDa |

### ANALYTICAL DATA

| TEST                | Specifications   | Results     |
|---------------------|--|-------------|
| Purity              | Greater than 90% as determined by reducing SDS-PAGE  | ≥95.0%      |
| Endotoxin Level     | <1 EU/μg, determined by LAL method.  | PASS        |
| Biological Activity | Measured by its binding ability in a functional ELISA. Immobilized Human SMAC at 10 μg/mL (100 μL/well) can bind Biotinylated XIAP. The ED <sub>50</sub> for this effect is 0.328 μg/mL. | 0.328 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. 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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