

## Thymopentin

**Item Number** rAP-2556

**Synonyms**

**Description** Thymopentin has a molecular formula of C<sub>30</sub>H<sub>49</sub>N<sub>9</sub>O<sub>9</sub>, Arg-Lys-Asp-Val-Tyr-OH having an Mw of 679.8 Dalton.

**Uniprot Accession Number**

**Amino Acid Sequence**

**Source**

**Physical Appearance and Stability** Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Thymopentin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TP-5 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Formulation and Purity** The protein (1mg/ml) was lyophilized with no additives. Greater than 99.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

**Application**

**Solubility** It is recommended to reconstitute the lyophilized Thymopentin in sterile 18MΩ-cm H<sub>2</sub>O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

**Biological Activity**

**Shipping Format and Condition** Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**