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# Thymosin β4

*Thymosin-b4 Human Recombinant*
*HRM0113*

## Product Overview

| | |
|---|---|
| Name | Thymosin β4 |

**Description**

Thymosin-b4 Human Recombinant

**Synonyms**

Thymosin beta-4, T beta 4, Fx , TB4X, PTMB4, TMSB4.

**Introduction**

CB1 cannabinoid receptor-interacting protein 1 (CNRIP1) is a 164 amino acid protein and G-protein coupled receptor which is a member of the CNRIP family. The CNRIP1 interacts with the C-terminal tail of cannabinoid receptor 1. CNRIP1 is expressed in the brain tissue and, at low levels, in the testis. CNRIP1 is involved in appetite, synaptic plasticity, neuroprotection and analgesia.

**Source**

Escherichia Coli.

**Physical Appearance**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Formulation**

Lyophilized from a 0.2um filtered concentrated solution in 1xPBS, pH 7.4.

**Stability**

Lyophilized Thymosin B4 Human although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Thymosin B4 Human should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

**Purity**

Greater than 95.0% as determined by SDS-PAGE and HPLC analyses.

**Amino acid sequence**

SDKPDMAEIE KFDKSKLKKT ETQEKNPLPS KETIEQEKQA GES

**Solubility**

It is recommended to reconstitute the lyophilized Thymosin B4 in sterile 18M-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

**Precautions**

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Thymosin β4 is for research use only and not for use in diagnostic or therapeutic procedures.