

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant Human Thymosin Beta 4 (rHuTβ4)

Catalog Number: PR1122

Source: Escherichia coli.

Quantity: 5μg/25μg/1.0mg

Description

Thymosin Beta 4 is a naturally occurring peptide. It is found in high concentrations in blood platelets, wound fluid and other tissues in the body. Tβ4 is not a growth factor; rather, it is a major actin regulating peptide. The thymosin beta-4 peptide, if used after a heart attack, might reactivate cardiac progenitor cells to repair damaged heart tissue.

Molecular Weight:

Approximately 4.9 kDa, a single non-glycosylated polypeptide chain containing 43 amino acids.

Purity:

>97% by SDS-PAGE and HPLC analyses.

Biological Activity:

Data is not available.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Lyophilized from a 0.2mm filtered concentrated solution in 20mM PB, pH 7.4.

AA Sequence:

S D K P D M A E I E K F D K S K L K K T E T Q E K N P
L P S K E T I E Q E K Q A G E S

Endotoxin:

Less than 1EU/mg of rHuTβ4 as determined by LAL method.

Reconstitution:

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at <-20°C. Further dilutions should be made in appropriate buffered solutions.

Storage:

This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.

Usage:

This material is offered by USA Bioworld biotech for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE. Made in China

MADE IN CHINA

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