

TP 5

Thymopentin
HRM0115

Product Overview

Name TP 5

Description

Thymopentin

Synonyms

p53-regulated apoptosis-inducing protein 1, Tumor Protein P53 Regulated Apoptosis Inducing Protein 1, TP53AIP1, p53AIP1, P53-regulated apoptosis-inducing protein 1 isoform a, TPIP1, P53AIP1.

Introduction

Tumor Protein P53 Regulated Apoptosis Inducing Protein 1 (TP53AIP1) is expressed mainly in the thymus, and is localized to the mitochondrion. p53 induces TP53AIP1 production which then mediates p53- dependent apoptosis. Alternatively spliced transcript variants encoding diverse isoforms are known for TP53AIP1.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The TP53AIP1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 85.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSSLVPRGSH MGSSSEASFR SAQASCSGAR RQGLGRGDQN LSVMPNGRA QTHTPGWVSD
PLVLGAQVHG GCRGIEALSV SSGSWSSATV WILTGLGLGL SRPFLPGATV LRDRPLGSAF ELSYDQKKAP LRLQ.

Precautions

TP 5 is for research use only and not for use in diagnostic or therapeutic procedures.