9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

TPT1 Human

Tumor Protein Translationally-Controlled 1 Human Recombinant
RCP2424

Product Overview

Name	TPT1 Human

Description

Tumor Protein Translationally-Controlled 1 Human Recombinant

Accession (Primary)	P13693

Synonyms

TCTP, Fortilin, Histamine-Releasing Factor, Translationally-controlled tumor protein, p23, HRF, Fortilin, p02, FLJ27337, TPT1.

Introduction

TPT1 takes part in calcium binding and microtubule stabilization. TPT1 is an immunoglobulin E dependent histamine-releasing factor produced by lymphocytes of atopic children and present in biologic fluids of allergic patients. TPT1 protein is similar to p23, a protein of Ehrlich ascites tumor cells, synthesized in the exponentially growing tumor. TPT1 is similar with IgE-dependent histamine releasing factor. TPT1 has a cell housekeeping function. TPT1 is involved in spermatogenesis and acts as a calcium binding protein of the human placenta that regulates calcium handling in trophoblast cells.

Source

Escherichia Coli.

Physical Appearance

Sterile filtered colorless solution.

Formulation

TPT1 solution containing 20mM Tris-HCl pH-8, 0.1M NaCl and 10% glycerol.

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 90% as determined by SDS-PAGE.

Amino acid sequence

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHM MI IYRDLISHDE MFSDIYKIRE IADGLCLEVE GKMVSRTEGN IDDSLIGGNA SAEGPEGEGT ESTVITGVDI VMNHHLQETS FTKEAYKKYI KDYMKSIKGK

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

LEEQRPERVK PFMTGAAEQI KHILANFKNY QFFIGENMNP DGMVALLDYR EDGVTPYMIF FKDGLEMEKC.

Precautions

TPT1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P13693)