
Product Data Sheet

Product Name: TPT1 Mouse
 Cat. No.: GP24871
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Translationally-controlled tumor protein; TCTP; 21 kDapolypeptide; p21; p23.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMMIYR DLISHDELFS DIYKIREIAD GLCLEVEGKM VSRTEGAIDDSLIGGNASAE GPEGEGTEST VVTGVDIVMN HHLQETSFTK EAYKKYIKDY MKSLKGGLEE QKPERVKPFMTGAAEQIKHI LANFNYYQFF IGENMNPDGM VALLDYREDG VTPFMIFFKD GLEMEKC.		
Formulation	TPT1 protein solution (1mg/ml) containing PhosphateBuffered Saline, 10% glycerolAnd 1mM DTT.		

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.

Stability

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

Background

TPT1 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide

Caution: Product has not been fully validated for medical applications. For research use only.

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chain containing 197 amino acids (1-172 a.a) and having a molecular mass of 22.1kDa.

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