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MZB1 Human

Marginal Zone B And B1 Cell-Specific Protein Human Recombinant RCP1444

Product Overview

Name	MZB1 Human

Description

Marginal Zone B And B1 Cell-Specific Protein Human Recombinant

Accession (Primary)	Q8WU39

Synonyms

Marginal Zone B and B1 Cell-Specific Protein, MZB1, PACAP, Mesenteric Oestrogen-Dependent Adipose Gene- 7, Plasma Cell-Induced ER Protein 1, Proapoptotic Caspase Adaptor Protein, Mesenteric Estrogen-Dependent Adipose 7, Plasma Cell-Induced Resident Endoplasmic Reticulum Protein, Plasma Cell-Induced Resident ER Protein, Proapoptotic Caspase Adapter Protein, MEDA-7, pERp1, HSPC190, Caspase-2 Binding Protein, Marginal Zone B- And B1-Cell-Specific Protein, MEDA7, MGC29506.

Introduction

Marginal zone B- and B1-cell-specific protein (MZB1) functions as a hormone-regulated adipokine/proinflammatory cytokine which is implicated in causing chronic inflammation and affecting cellular expansion. MZB1 links with immunoglobulin M (IgM) heavy and light chains and stimulate s IgM assembly and secretion. MZB1 exerts its effect by acting as a molecular chaperone or as an oxidoreductase as it exhibits a low level of oxidoreductase activity. MZB1 helps to diversify peripheral B-cell functions by regulating Ca(2+) stores, antibody secretion and integrin activation.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The MZB1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.

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 90.0% as determined by SDS-PAGE.

Amino acid sequence

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MGSSHHHHHH SSGLVPRGSH MGS MPAELWL TSYGVREVDQ VKRLTGPGLS EGPEPSISVM VTGGPWPTRL SRTCLHYLGE FGEDQIYEAH QQGRGALEAL LCGGPQGACS EKVSATREEL.

Precautions

MZB1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q8WU39)