

Recombinant human MZB1 protein

Catalog Number: ATGP2632

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-97aa

UniProt No.

Q8WU39

NCBI Accession No.

AAH09931

Alternative Names

Marginal zone B- and B1-cell-specific protein, PACAP, MEDA7

PRODUCT SPECIFICATION

Molecular Weight

12.9 kDa (120aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Marginal zone B- and B1-cell-specific protein, also known as MZB1, acts as a hormone-regulated adipokine/proinflammatory cytokine that is implicated in causing chronic inflammation, affecting cellular expansion and blunting insulin response in adipocytes. This protein may have a role in the onset of insulin resistance. Recombinant human MZB1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MPAELWL TSYGVREVDQ VKRLTGPGLS EGPEPSISVM VTGGPWPTL
SRTLHLYLGE FGEDQIYEAH QQGRGALEAL LCGGPQGACS EKVSATREEL

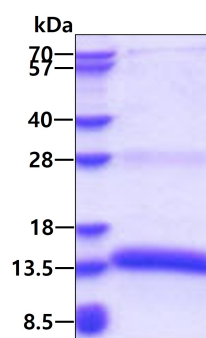
General References

Bonfoco E., et al. (2001) J. Biol. Chem. 276:29242-29250

Zhang H., et al. (2011) Diabetologia. 54:2368-2380

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.