# **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.



#### **Amino acid Sequence**

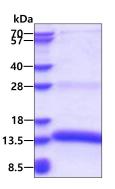
<MGSSHHHHHH SSGLVPRGSH MGS>MPAELWL TSYGVREVDQ VKRLTGPGLS EGPEPSISVM VTGGPWPTRL SRTCLHYLGE FGEDQIYEAH QQGRGALEAL LCGGPQGACS EKVSATREEL

### **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



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

