

AR09525PU-L

Human S100Z (1-99, His-tag) - Purified

Alternate names:

S100 calcium-binding protein Z, S100-Z

Quantity:

0.5 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

S100 calcium binding protein Z, also known as S100Z, is member of the S100 protein family. S100 proteins are small dimeric members of the EF-hand superfamily of Ca(2+) binding proteins thought to participate in mediating intracellular Ca(2+) signals by binding to and thereby regulating target proteins in a Ca(2+)-dependent manner. There are differences in the expression level of S100Z mRNA in various tissues. The highest levels were found in spleen and leukocytes. S100Z gene expression appears to be deregulated in some tumor tissues, compared to expression in their normal counterparts.

Uniprot ID:

[Q8WXG8](#)

NCBI:

[NP_570128](#)

GeneID:

[170591](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified peptide

Purity: >95% by SDS - PAGE

Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 1mM EDTA, 50mM NaCl

Description:

Recombinant human S100Z, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MPTQLEMAMD TMIRIFHRYS GKERKRFKLS KGELKLLLQR
ELTEFLSCQK ETQLVDKIVQ DLDANKDNEV DFNEFVVMVA ALTVACNDYF VEQLKKKGK

Molecular weight: 13.7 kDa (119aa), confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

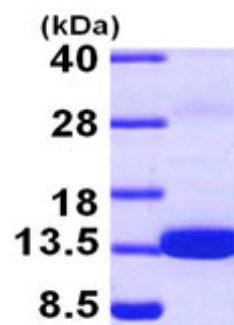
Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

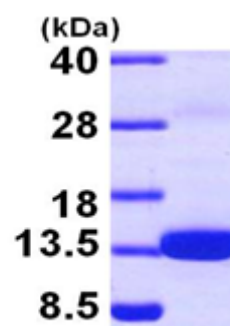
Zhou Y., et al. (2006) Proteins. 65(3):643-55.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human S100Z, 1- 99 aa, His-tagged



15% SDS-PAGE (3ug)