

S100Z, 1-99aa, Human, His tag, E.coli

Cat.NO.: TP03844

3th Edition

Synonyms:Protein S100-Z, S100-zeta

Description: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.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 1mM EDTA, 50mM NaCl

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

Sequences:

MGSSHHHHHHSSGLVPRGSHMPTQLEMAMDTMIRIFHRYSGKERKRFKLSKGELKLLLQRELTEFLSCQKETQLV
DKIVQDL DANKDNEVDFNEFVVMVAALTVACNDYFVEQLKKKGGK

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.