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S100Z Human

Catalog #:PRPS-847

For research use only.

Description:S100Z Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 119 amino acids (1-99 a.a.) and having a molecular mass of 13.7kDa. The S100Z is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Synonyms: Protein S100-Z, S100 calcium-binding protein Z, S100Z, Gm625, S100-zeta.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MPTQLEMAMD TMIRIFHRYS GKERKRFKLS KGELKLLLQR ELTEFLSCQK ETQLVDKIVQ DLDANKDNEV DFNEFVVMVA ALTVACNDYF VEQLKKKGK.

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:
S100Z Human solution (1mg/ml) containing 20mM Tris-HCl pH-8, 1mM DTT, 1mM EDTA, 50mM NaCl & 20% glycerol.

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.

Usage:
NeoBiolab's products are furnished forLABORATORY RESEARCHUSEONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
S100Z is a recently discovered member of the S100 protein family. S100 proteins are small dimeric members of the EF-hand superfamily of Ca(2+) binding proteins thoµght to participate in mediating intracellular Ca(2+) signals by binding to and thereby regulating target proteins in a Ca(2+)-dependent manner.S100Z is a 99-amino acid protein capable of interacting with another member of the family, S100P.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.

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