32-4742: Recombinant Mouse S100 Calcium Binding Protein A4

Alternative Name : Protein S100-A4,S100 calcium-binding protein A4,Metastasin,Protein Mts1,Placental calcium-binding protein,Calvasculin,S100A4,CAPL,MTS1,42A,18A2,FSP1,P9KA,PEL98.

Description

Source : Escherichia Coli. S100A4 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 121 amino acids (1-101 a.a) and having a molecular mass of 13.9kDa.S100A4 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. S100A4 is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 belongs to the family of calcium binding proteins such as calmodulin and troponin C. S100A is composed of an alpha and beta chain whereas S100B is composed of two beta chains. S100 protein is also expressed in the antigen presenting cells such as the Langerhans cells in skin and interdigitating reticulum cells in the paracortex of lymph nodes. S100 proteins are localized either in the cytoplasm or the nucleus of a wide range of cells. S100 proteins are involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100A4 may function in motility, invasion, and tubulin polymerization. There are at least 13 members in the S100 gene family, which are located as a cluster on chromosome 1q21. Chromosomal rearrangements and altered expression of the S100A4 gene have been implicated in tumor metastasis.

Product Info

Amount :	20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	S100A4 protein solution (1mg/1ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 2mM DTT.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MARPLEEALD VIVSTFHKYS GKEGDKFKLN KTELKELLTR ELPSFLGKRT DEAAFQKVMS NLDSNRDNEV DFQEYCVFLS CIAMMCNEFF EGCPDKEPRK K.