

32-4737: Recombinant Human S100 Calcium Binding Protein A2

Alternative Name : Protein S100-A2,CAN19,Protein S-100L,S100 calcium-binding protein A2,S100A2,S100L,MGC111539.

Description

Source : Escherichia Coli. S100A2 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 117 amino acids (1-97 a.a.) and having a molecular mass of 13.1kDa. The S100A2 is purified by proprietary chromatographic techniques. S100A2 belongs to the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100A2 may function as a modulator against excess calcium accumulation in normal human mammary epithelial cells and also have a role in suppressing tumor cell growth. S100A2 may have a tumor suppressor function. S100 family members are localized in the cytoplasm and/or nucleus of a wide range of cells, and are involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. Chromosomal rearrangements and altered expression of the S100A2 gene are implicated in breast cancer.

Product Info

Amount :	20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The S100A2 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 5mM DTT, 30% glycerol and 0.2M NaCl.
Storage condition :	S100A2 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MCSSLEQALA VLVTTFFHKYS CQEGDKFKLS KGEMKELLHK ELPSFVGEKV DEEGLKCLMG SLDENSQQV DFQEYAVFLA LITVMCNDFF QGCPDRP.