

32-4736: Recombinant Human S100 Calcium Binding Protein A16

Alternative Name : Protein S100-A16, Aging-associated gene 13 protein, Protein S100-F, S100 calcium-binding protein A16, S100A16, S100F, AAG13, DT1P1A7, MGC17528.

Description

Source : Escherichia Coli. S100A16 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 123 amino acids (1-103 a.a.) and having a molecular mass of 13.9kDa. S100A16 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. S100A16 belongs to the S100 protein super family containing calcium-binding EF-hand motifs. S100 proteins are cell and tissue specific and are engaged in various intra and extracellular processes through interacting with specific target proteins. The S100A16 expression is astrocyte-specific. S100A16 accumulates within nucleoli and translocates to the cytoplasm in reaction to Ca^{2+} stimulation. S100A16 physically interacts with tumor suppressor protein p53 (which is a known inhibitor of adipogenesis) as determined Immunoprecipitation analysis.

Product Info

Amount :	20 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	S100A16 (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 40% glycerol and 0.2M NaCl.
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 MSDCYTELEK AVIVLVENFY KYVSKYSLVK NKISKSSFRE MLQKELNHML SDTGNRKAAD KLIQNLDANH DGRISFDEYW TLIGGITGPI AKLIHEQEQQ SSS.

