

Recombinant Human S100 Aalcium Binding Protein A16, His-tagged

Cat. No. S100A16-3509H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human S100A16 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	S100 calcium binding protein A16, also known S100A16, is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. Intracellularly, S100A16 is both nuclear and cytoplasmic and apparently exists as a homodimer, trimer and tetramer. It contains two EF-hand motifs with only one high-affinity Ca-binding site and apparently undergoes phosphorylation at Ser103.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 40% glycerol, 0.2M NaCl
Molecular Weight	13.9 kDa (123aa), confirmed by MALDI-TOF
Purity	> 95% by SDS - PAGE
Concentration	1 mg/ml (determined by Bradford assay)

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Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MSDCYTELEK AVIVLVENFY KYVSKYSLVK NKISKSSFRE MLQKELNHML SDTGNRKAAD KLIQNLDANHDGRISFDEYW TLIGGITGPI AKLIHEQEQQ SSS
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.
GENE INFORMATION	
Gene Name	S100A16 S100 calcium binding protein A16 [Homo sapiens]
Synonyms	S100A16; S100 calcium binding protein A16; AAG13; S100F; DT1P1A7; MGC17528; OTTHUMP00000015465; OTTHUMP00000032893; aging-associated protein 13; Protein S100-A16; S100 calcium-binding protein A16; Protein S100F; Aging-associated gene 13 protein; OTTHUMP00000015466; OTTHUMP00000032894
Gene ID	140576
mRNA Refseq	NM_080388
Protein Refseq	NP_525127
MIM	11529
UniProt ID	Q96FQ6
Chromosome Location	1q21
Function	calcium ion binding; protein homodimerization activity