Datasheet for ABIN7319484

S100A16 Protein

Go to Product page

Overview

Quantity:	50 µg
Target:	S100A16
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human S100A16/S100F Protein
Sequence:	Met1-Ser103
Characteristics:	Recombinant Human S100A16 is produced by our E.coli expression system and the target gene encoding Met1-Ser103 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	S100A16
Alternative Name:	S100A16/S100F (S100A16 Products)
Background:	Background: S100A16 is a member of S100 protein superfamily that carries calcium-binding EF-handmotifs. S100 proteins are cell-and tissue-specific and are involved in many intra-and extracellular processes hrough interacting with specific target proteins. S100A16 expression was found to be astrocyte-specific. The S100A16 protein was found to accumulate within

Target Details

	nucleoli and to translocate to the cytoplasm in response to Ca(2+) stimulation. The homodimeric structure of human S100A16 in the apo state has been obtained both in the solid state and insolution, resulting in good agreement between the structures with the exception of two loop regions. The homodimeric solution structure of human S100A16 was also calculated in the calcium(II)-bound form. Immunoprecipitation analysis revealed that S100A16 could physically interact with tumor suppress or protein p53, also a known inhibitor of adipogenesis. Overexpression or RNA interference-initiated reduction of S100A16 led to the inhibition or activation of the expression of p53-responsivegenes, respectively. S100A16 protein is a novel adipogenesis-promoting factor. Synonym: SLAM Family Member 6, Activating NK Receptor, NK-T-B-Antigen, NTB-A, CD352, SLAMF6, KALI, Ly108, NTBA, SF2000
Molecular Weight:	11.8 kDa
UniProt:	Q96FQ6
Pathways:	S100 Proteins

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 20 mM Tris, 500 mM NaCl, pH 8.0.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.