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Recombinant Human S100A16 / S100F Protein

产品货号: TP07886

第三版

别名:AAG13;DT1P1A7;MGC17528;S100F

描述:S100A16 is a member of S100 protein super family that carries calcium-binding EF-hand motifs. S100 proteins are cell- and tissue-specific and are involved in many intra- and extracellular processes through interacting with specific target proteins. S100A16 expression was found to be astrocyte-specific. The S100A16 protein was found to accumulate within 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 in solution, 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. Differently from most S100 proteins, the conformational rearrangement upon calcium binding is minor. Immunoprecipitation analysis revealed that S100A16 could physically interact with tumor suppressor 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-responsive genes, respectively. S100A16 protein is a novel adipogenesis-promoting factor.

配方:PBS**分子量:**11.9 kDa**序列:**Met 1-Ser 103**纯度:**> 95% by HPLC**浓度:****内毒素:**<1.0 EU per 1 ug of protein (determined by LAL method)**存储:**+4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.