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SNTN, 1-147aa, Human, His tag, E.coli

产品货号: TP03994

第三版

别名: Sentan, S100A1L, S100AL

描述: SNTN, also known as sentan, belongs to the S-100 family. SNTN is shown to localize exclusively to the bridging structure between the cell membrane and peripheral singlet microtubules, which specifically exists in the narrowed distal portion of cilia. Exogenously expressed sentan showed affinity for the membrane protrusions, and a protein-lipid binding assay revealed that sentan bound to phosphatidylserine. These findings suggest that sentan is the first molecular component of the ciliary tip to bridge the cell membrane and peripheral singlet microtubules, making the distal portion of the cilia narrow and stiff to allow for better airway clearance or ovum transport. Recombinant human SNTN protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

配方: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 50% glycerol, 0.15M NaCl, 1mM DTT

分子量: 18.6 kDa (167aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGGCMHSTQDKSLHLEGDPNPSAAPTSTCAPRKMPKRISISKQLASVKALRKCSLDLEKAI
ATTALIFRNSSSDGKLEKAIKDLLQTQFRNFAEGQETPKKYREILSELDEHTENKLD FEDFMILLLSITVMSDLLQNIRNVK
IMK

纯度: > 95% by HPLC

浓度: 0.5 mg/ml (determined by Bradford assay)

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.