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AR09983PU-L	Human Sentan / SNTN (1-147, His-tag) - Purified
Alternate names:	S100 calcium-binding protein A1-like, S100-A1-like, S100A1L
Quantity:	0.5 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	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.
Uniprot ID:	A6NMZ2
NCBI:	<u>NP_001074006</u>
GenelD:	<u>132203</u>
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 50% glycerol, 0.15M NaCl, 1mM DTT
Description:	Recombinant human SNTN protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. AA Sequence:
	MGSSHHHHHH SSGLVPRGSH MGGCMHSTQD KSLHLEGDPN PSAAPTSTCA PRKMPKRISI SKQLASVKAL RKCSDLEKAI ATTALIFRNS SDSDGKLEKA IAKDLLQTQF RNFAEGQETK PKYREILSEL DEHTENKLDF EDFMILLLSI TVMSDLLQNI RNVKIMK Molecular weight: 18.6 kDa (167aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Muzny D.M., et al. (2006) Nature. 440:1194-1198. Kubo A., et al. (2008) Mol. Biol. Cell 19:5338-5346.

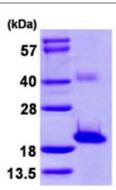
For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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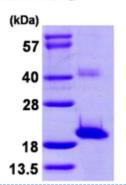


Pictures:



15% SDS-PAGE (3ug)

Recombinant human SNTN, 1-147aa, Histagged



15% SDS-PAGE (3ug)

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