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32-4911: Recombinant Human Sentan Cilia Apical Structure Protein

Alternative Name : Sentan cilia apical structure protein,FLJ44379,S100AL,S100A1L,S100A-like protein,sentan,S100 calcium-binding protein A1-like.

Description

Source : Escherichia Coli. SNTN Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 167 amino acids (1-147a.a.) and having a molecular mass of 18.6kDa. The SNTN is purified by proprietary chromatographic techniques. SNTN is a member of to the S-100 family. SNTN is localized solely to the bridging structure between the cell membrane and peripheral singlet microtubules that specifically exists in the narrowed distal portion of cilia. Exogenously expressed sentan displayed affinity for the membrane protrusions, and a protein-lipid binding assay discovered that sentan bounds to phosphatidylserine which indicate that sentan is the leading molecular component of the ciliary tip to link the cell membrane and peripheral singlet microtubules, making the distal portion of the cilia narrow and stiff to permit better airway approval or ovum transport.

Product Info

Amount :	20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The SNTN solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 50% glycerol and 0.15M NaCl.
Storage condition :	SNTN should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGGCMHSTQD KSLHLEGDPN PSAAPTSTCA PRKMPKRISI SKQLASVKAL RKCSDLEKAI ATTALIFRNS SDSDGKLEKA IAKDLLQTQF RNFAEGQETK PKYREILSEL DEHTENKLDF EDFMILLLSI TVMSDLLQNI RNVKIMK

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