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SNTN Human

Catalog #:PRPS-223

For research use only.

Description: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.

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

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGGCMHSTQD KSLHLEGDPN PSAAPTSTCA PRKMPKRISI SKQLASVKAL RKCSDLEKAI ATTALIFRNS SDSDGKLEKA IAKDLLQTQF RNFAEGQETK PKYREILSEL DEHTENKLDF EDFMILLLSI TVMSDLLQNI RNVKIMK

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:
The SNTN solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 50% glycerol and 0.15M NaCl.

Stability:
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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
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.

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