

Recombinant Human SMTN, His-tagged

Cat. No. SMTN-31420TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 707-915 of Human Smoothelin with N terminal His tag; 209 amino acids, 26kDa.
Species	Human
Source	E.coli
ProteinLength	707-915 a.a.
Description	This gene encodes a structural protein that is found exclusively in contractile smooth muscle cells. It associates with stress fibers and constitutes part of the cytoskeleton. This gene is localized to chromosome 22q12.3, distal to the TUPLE1 locus and outside the DiGeorge syndrome deletion. Alternative splicing of this gene results in multiple transcript variants encoding distinct isoforms.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 126 µl aqua dest.
Storage buffer	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Store at 4°C. Upon reconstitution store at -80oC.
Sequences of amino	KTFSSSSSSKMGSIKDREDQASPRAGSLAALEKRQAEKK KELMKAQSLPKTSASQ

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acids

ARKAMIEKLEKEGAAGSPGGPR AAVQRSTSTFGVPNANSIKQMLLDWCRAKTRGYE
 HVDIQNF SSSWSDGMAFCALVHNFFPEAFDYGQLSPQNRQRNFEV AFSSAETHA
 DCPQLLDTEDMVRLREPDWKCVCYTYIQEF YRCLVQKGLVKTOKS

GENE INFORMATION

Gene Name	SMTN smoothelin [Homo sapiens]
Official Symbol	SMTN
Synonyms	SMTN; smoothelin;
Gene ID	6525
mRNA Refseq	NM_001207017
Protein Refseq	NP_001193946
MIM	602127
Uniprot ID	P53814
Chromosome Location	22q12
Function	actin binding; structural constituent of muscle;

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