

Recombinant Human SMTN Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SMTN-2206H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SMTN MS Standard C13 and N15-labeled recombinant protein (NP_599031) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	98.9 kDa
AA Sequence	MADEALAGLDEGALRKLLLEVTDLAERRRIRSAIRELQRQELEREEEEALASKRFRAE RQDNKENWLHSQQREAEQRAALARLAGQLESMNDVEELTALLRSAGEYEERKLIRA AIRRVRAQEIEAATLAGRLYSGRPNSGSRSDSKGLAAHRLEQCEVPEREEQEQQAE VSKPTPTPEGTSQDVTTVTLLLRAPPGSTSSSPASPSSSPTPASPEPPPLEPAEAQCL TAEVPGSPEPPPSPPKTTSPPEQESPTLPSTEGQVNVNKLKLSGPKETPAAQSPTRGP SDTKRADVAGPRPCQRSLSVLSPRQPAQNRESTPLASGPSSFQRAGSVRDRVHKF TSDSPMAARLQDGTQAALSPLTPARLLGPSLTSTTPASSSSGSSSRGPSDTSSRF SKEQRGVAQPLAQLRSCPQEEGPRGRGLAARPLENRAGGPVARSEEPGAPLPVAV

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GTAEPGGSMKTTFTIEIKDGRGQASTGRVLLPTGNQRAELTLGLRAPPTLLSTSSGG
 KSTITRVNSPGTLARLGSVTHVTSFSHAPPSSRGGCSIKMEPEPAEPLAAAVEAANG
 AEQTRVNKAPEGRSPLSAEELMTIEDEGVLDKMLDQSTDFEERKLIRAAALRELQRK
 RDQRDKERERRLQEARGRPGEGRGNTATETTTTRHSQRAADGSAVSTVTKTERLVH
 SNDGTRTARTTTVESSFVRRSENGSGSTMMTKTFSSSSSSKKMGSIFDREDQAS
 PRAGSLAALEKRQAEKKKELMKAQSLPKTSASQARKAMIEKLEKEGAAGSPGGPRA
 AVQRSTSFGVPNANSIKQMLLDWCRAKTRGYEHVDIQNFSSSWSDGMAFCALVHN
 FFPEAFDYGQLSPQNRNQNFVAFSSAETHADCPQLLDTEDMVRLREPDWKCVYT
 YIQEFYRCLVQKGLVKTKKSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name SMTN smoothelin [Homo sapiens (human)]

Official Symbol SMTN

Synonyms SMTN; smoothelin; FLJ35168; FLJ35365; FLJ35620; FLJ38597;

Gene ID 6525

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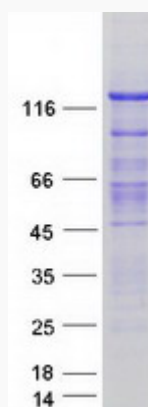
mRNA Refseq NM_134269

Protein Refseq NP_599031

MIM 602127

UniProt ID P53814

SDS-PAGE



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