

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

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

## SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | SMTN MS Standard C13 and N15-labeled recombinant protein (NP_599031) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.   |
| <b>Species</b>          | Human  |
| <b>Source</b>           | HEK293   |
| <b>Description</b>      | <p>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.</p> <p>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.</p>   |
| <b>Molecular Mass</b>   | 98.9 kDa   |
| <b>AA Sequence</b>      | <p>MADEALAGLDEGALRKLLLEVTDLAERRRIRSAIRELQRQELEREEEEALASKRFRAE<br/> RQDNKENWLHSQQREAEQRAALARLAGQLESMNDVEELTALLRSAGEYEERKLIRA<br/> AIRRVRAQEIEAATLAGRLYSGRPNSGSRREDSKGLAAHRLEQCEVPEREEQEQQAE<br/> VSKPTPTPEGTSQDVTTVTLRLRAPPGSTSSSPASPSSSPTPASPEPPLEPAEAQCL<br/> TAEVPGSPEPPPSPPKTTSPPEQESPTLPSTEGQVVKLLSGPKETPAAQSPTRGP<br/> SDTKRADVAGPRPCQRSLVLSRQPAQNRSTPLASGPSSFQRAGSVRDRVHKF<br/> TSDSPMAARLQDGTQAALSPLTPARLLGPSLTSTTPASSSSGSSSRGPSDTSSRF<br/> SKEQRGVAQPLAQLRSCPQEEGPRGRGLAARPLENRAGGPVARSEEPGAPLPVAV</p> |

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GTAEPGGSMKTTFTIEIKDGRGQASTGRVLLPTGNQRAELTLGLRAPPTLLSTSSGG  
 KSTITRVNSPGTLARLGSVTHVTSFSHAPPSSRGGCSIKMEPEPAEPLAAAVEAANG  
 AEQTRVNKAPEGRSPLSAEELMTIEDEGVLDKMLDQSTDFEERKLIRAALRELQRK  
 RDQRDKERERRLQEARGRPGEGRGNTATETTTTRHSQRAADGSAVSTVTKTERLVH  
 SNDGTRTARTTTVESSFVRRSENGSGSTM MQTKTFSSSSSSKKMGSIFDREDQAS  
 PRAGSLAALEKRQAEKKKELMKAQSLPKTSASQARKAMIEKLEKEGAAGSPGGPRA  
 AVQRSTSTFGVPNANSIKQMLLDWCRAKTRGYEHVDIQNFSSSWSDGMAFCALVHN  
 FFPEAFDYGQLSPQNRNQNFVAFSSAETHADCPQLLDTEDMVRLREPDWKC VYT  
 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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|-----------------------|-----------|
| <b>mRNA Refseq</b>    | NM_134269 |
| <b>Protein Refseq</b> | NP_599031 |
| <b>MIM</b>            | 602127    |
| <b>UniProt ID</b>     | P53814    |

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