

Recombinant Full Length Human SMTN Protein, C-Flag-tagged

Cat. No. SMTN-2075HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SMTN Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	98.7 kDa
AA Sequence	MADEALAGLDEGALRKLLLEVTAELAERRRIRSAIRELQRQELEREEEEALASKRFRAE RQDNKENWLHSQQ REAEQRAALARLAGQLESMNDVEELTALLRSAGEYEERKLIR AAIRRVRAQEIEAATLAGRLYSGRPNSG SREDSKGLAAHRLEQCEVPEREEQEQQA EVSKPTPTPEGTSQDVTTVTLTLRAPPGSTSSSPASPSSSPT PASPEPPLEPAEAQC LTAEVPGSPEPPPSPPKTTSPPEQESPTLPSTEGQVFNKLLSGPKETPAAQSPTR G PSDTKRADVAGPRPCQRSLSVLSPRQPAQNRESTPLASGPSSFQ RAGSVRDRVHK FTSDSPMAARLQDG TPQAALSPLTPARLLGPSLTSTTPASSSSGSSSRGPSDTSSR FSKEQRGVAQPLAQLRSCPQEEGPRGRG LAARPLENRAGGPVARSEEPGAPLPV

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AVGTAEPGGSMKTTFTIEIKDGRGQASTGRVLLPTGNQRAELTL GLRAPPTLLSTSS
 GGKSTITRVNSPGTLARLGSVTHVTSFSHAPPSSRGGCSIKMEPEPAEPLAAAVEAA
 NGAEQTRVNKAPEGRSPLSAEELMTIEDEGVLDKMLDQSTDFEERKLIRAAALRELQ
 RKRDQRDKERERR LQEARGRPGEGRGNTATETTTTRHSQRAADGSAVSTVTKTER
 LVHSNDGTRTARTTTVESSFVRRSENGSG STMMQTKTFSSSSSSKKMGSIFDRED
 QASPRAGSLAALEKRQAEKKKELMKAQSLPKTSASQARKAMIEK LEKEGAAGSPG
 GPRAAVQRSTSFGVPNANSIKQMLLDWCRAKTRGYEHVDIQNFSSSWSDGMAFCA
 LVHN FFPEAFDYGQLSPQNRRQNFEVAFSSAETHADCPQLLDTEDMVRLREPDWK
 CVYTYIQEFYRCLVQKGLV KTKKS TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

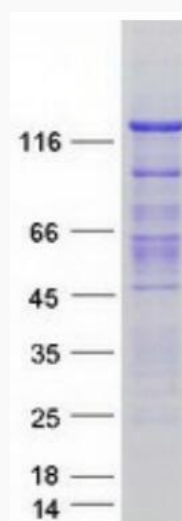
Gene Name	SMTN smoothelin [Homo sapiens (human)]
Official Symbol	SMTN
Synonyms	FLJ35168; FLJ35365; FLJ35620; FLJ38597

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Gene ID	6525
mRNA Refseq	NM_134269.3
Protein Refseq	NP_599031.1
MIM	602127
UniProt ID	P53814



Coomassie blue staining of purified SMTN protein.