

Product datasheet for PH302191

Smoothelin (SMTN) (NM_134269) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SMTN MS Standard C13 and N15-labeled recombinant protein (NP_599031)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202191
Predicted MW:	98.9 kDa
Protein Sequence:	>RC202191 protein sequence Red=Cloning site Green=Tags(s)

MADEALAGLDEGALRKLLLEVADLAERRRIRSAIRELQRQELEREEALASKRFRAERQDNKENWLHSQQ
REAEQRAALARLAGQLESMNDVEELTALLRSAGEYEERKLIRAAIRRVRAQIEAATLAGRLYSGRPNSG
SREDSKGLAAHRLQCEVPEREEQEQAEVSKPTPTPEGTSQDVTTVTLRLRAPPGSTSSSPASSSPT
PASPEPPLEPAEAQCLTAEVPGSPEPPSPPKTTSPEPQESPTLPSTEGQVVKLLSGPKETPAAQSPTR
GPSDTKRAADVAGPRPCQRLSVLSPRQPAQNRESTPLASGPSSFQAGSVRDRVHKFTSDSPMAARLQDG
TPQAALSPLTPARLLGPSLTSTTPASSSSGSSSRGPSDTSSRFKEQRGVAQPLAQLRSCPQEEGPRGRG
LAARPLENRAGGPVARSEEPGAPLPVAVGTAEPGGSMKTTFTIEIKDGRGQASTGRVLLPTGNQRAELTL
GLRAPPTLLSTSSGGKSTITRVNSPGTLARLGSVTHVTSF SHAPPSSRGCSIKMEPEPAEPLAAAVEAA
NGAEQTRVKAPEGRSPLSAEELMTIEDEGLDKMLDQSTD FEEKLIRAAALRELQRKRDRQDKERERR
LQEARGRPGEGRNTATETTTTHRSQRAADGSAVSTVTKTERLVHSNDGTRTARTTTVESSFVRRSENGSG
STMMQTKTFSSSSSSKMGSIQFDREDQASPRAGSLAALEKRAEKKELMKAQSLPKTSASQARKAMIEK
LEKEGAAGSPGGPRAAVQRSTSFQVPNANSIKQMLLDWCRACKTRGYEHVDIQNFSSSSWDGMAFCALVHN
FFPEAFDYGQLSPQNRQNFVAFSSAETHADCPQLLDTEDMVRLREPDWKC VYTYIQEFYRCLVQKGLV
KTKKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.



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RefSeq: [NP_599031](#)

RefSeq Size: 3332

RefSeq ORF: 2745

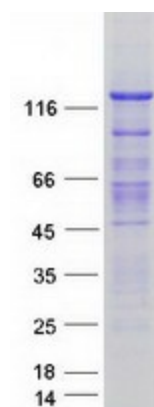
Locus ID: 6525

UniProt ID: [P53814](#)

Cytogenetics: 22q12.2

Summary: 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. [provided by RefSeq, May 2011]

Product images:



Coomassie blue staining of purified SMTN protein (Cat# [TP302191]). The protein was produced from HEK293T cells transfected with SMTN cDNA clone (Cat# [RC202191]) using MegaTran 2.0 (Cat# [TT210002]).