

Product datasheet for PH322968

Syntrophin gamma 2 (SNTG2) (NM_018968) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SNTG2 MS Standard C13 and N15-labeled recombinant protein (NP_061841)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222968
Predicted MW:	60 kDa
Protein Sequence:	>RC222968 representing NM_018968 Red =Cloning site Green =Tags(s)

MGTEGPPPPAASRGRQGCLLVPARTKTTIALLYDEESENAYDIRLKLTKVELTIQKQDVVCVGGSHQGRN
 RRTVTLLRRQPVGGLGLSIKGGSEHNVPVVISKIFEDQAADQTGMLFVGDAVLQVNGIHVENATHEEVVHL
 LRNAGDEVITITVEYLREAPAFLLKPLGSPGPSSDHSSGASSPLFDSGLHLNGNSSTTAPSSPSSPIAKDP
 RYEKRWLDLTVPLSMARISRYKAGTEKLRWNAFEVLALDGVSSGILRFYTAQDGTDLRAVSANIRELT
 LQNMKMANCCSPSDQVVHMGWVNEKLQGADSSQTFRPKFLALKGPSFYVFSTPPVSTFDWVRAERTYHL
 CEVLFKVHKFWLTEDCWLQANLYLGLQDFDFEDQRPYCFIVAGHGKSHVFNVELGSELAMWEKSFQRAT
 FMEVQRTGSRTYMCWQGEMLCFTVDFALGFTCFESKTKNVLRWFKFSQLKGSSDDGKTRVKLLFQNLDT
 KQIETKELEFQDLRAVLHCIHSFIAAKVASVDPGFMDSQSLARKYMYSS

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.
RefSeq:	<u>NP_061841</u>
RefSeq Size:	1904
RefSeq ORF:	1617


[View online »](#)

Synonyms: G2SYN; SYN5

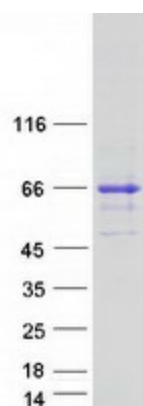
Locus ID: 54221

UniProt ID: [Q9NY99](#)

Cytogenetics: 2p25.3

Summary: This gene encodes a protein belonging to the syntrophin family. Syntrophins are cytoplasmic peripheral membrane proteins that bind to components of mechanosensitive sodium channels and the extreme carboxy-terminal domain of dystrophin and dystrophin-related proteins. The PDZ domain of this protein product interacts with a protein component of a mechanosensitive sodium channel that affects channel gating. Absence or reduction of this protein product has been associated with Duchenne muscular dystrophy. There is evidence of alternative splicing yet the full-length nature of these variants has not been described. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified SNTG2 protein (Cat# [TP322968]). The protein was produced from HEK293T cells transfected with SNTG2 cDNA clone (Cat# [RC222968]) using MegaTran 2.0 (Cat# [TT210002]).