

SNTG1 Protein, Human (Myc, His)

Cat. No.:	HY-P71635
Synonyms:	G1SYN; Gamma 1 syntrophin; SNTG 1; Sntg1; SNTG1_HUMAN; SYN 4; SYN4; Syntrophin gamma 1; Syntrophin 4; Syntrophin gamma 1; Syntrophin-4
Species:	Human
Source:	E. coli
Accession:	Q9NSN8 (1M-517T)
Gene ID:	54212
Molecular Weight:	Approximately 63.0 kDa

PROPERTIES

AA Sequence	M D F R T A C E E T K T G I C L L Q D G N Q E P F K V R L H L A K D I L M I Q E Q D V I C V S G E P F Y S G E R T V T I R R Q T V G G F G L S I K G G A E H N I P V V V S K I S K E Q R A E L S G L L F I G D A I L Q I N G I N V R K C R H E E V V Q V L R N A G E E V T L T V S F L K R A P A F L K L P L N E D C A C A P S D Q S S G T S S P L C D S G L H L N Y H P N N T D T L S C S S W P T S P G L R W E K R W C D L R L I P L L H S R F S Q Y V P G T D L S R Q N A F Q V I A V D G V C T G I I Q C L S A E D C V D W L Q A I A T N I S N L T K H N I K K I N R N F P V N Q Q I V Y M G W C E A R E Q D P L Q D R V Y S P T F L A L R G S C L Y K F L A P P V T T W D W T R A E K T F S V Y E I M C K I L K D S D L L D R R K Q C F T V Q S E S G E D L Y F S V E L E S D L A Q W E R A F Q T A T F L E V E R I Q C K T Y A C V L E S H L M G L T I D F S T G F I C F D A A T K A V L W R Y K F S Q L K G S S D D G K S K I K F L F Q N P D T K Q I E A K E L E F S N L F A V L H C I H S F F A A K V A C L D P L F L G N Q A T A S T A A S S A T T S K A K Y T T
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

SNTG1 functions as an adapter protein with the capacity to bind and likely organize the subcellular localization of diverse proteins, potentially serving as a link between various receptors and the actin cytoskeleton as well as the dystrophin glycoprotein complex. It may play a role in regulating the subcellular distribution of diacylglycerol kinase-zeta to facilitate the prompt inactivation of diacylglycerol following receptor activation. Notably, isoform 1 of SNTG1, in contrast to isoform 2, engages in interactions with the dystrophin protein DMD and its related counterparts DTNA and DTNB. Additionally, SNTG1 forms an interaction with DGKZ, suggesting its involvement in modulating the cellular dynamics of key signaling molecules and structural components.

Caution: Product has not been fully validated for medical applications. For research use only.

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