

Recombinant Human Serine palmitoyltransferase 2(SPTLC2) ,partial

Catalog No: #AP70805

Package Size: #AP70805-1 20ug #AP70805-2 100ug #AP70805-3 1mg

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Description

Product Name	Recombinant Human Serine palmitoyltransferase 2(SPTLC2) ,partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:88-562aaSequence Info:Partial
Other Names	Long chain base biosynthesis protein 2 ;LCB 2Long chain base biosynthesis protein 2a ;LCB2a;Serine-palmitoyl-CoA transferase 2 ;SPT 2
Accession No.	O15270
Calculated MW	69.7 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	RDFLRYWRIEKCHHATEREEQKDFVSLYQDFENFYTRNLYMRIRDNWNRPICSVPGARVDIMERQSHDYNWS FKYTGNIIKGVINMGSYNYLGFARNTGSCQEAANKVLEEYAGVCSTRQEIGNLDKHEELEELVARFLGVEAA MAYGMGFATNSMNPALVGKGLILSDELNHASLVLGARLSGATIRIFKHNNMQSLEKLLKDAIVYGQPRTRRP WKILILVEGIYSMEGSIVRLPEVIALKKKYKAYLYLDEAHSIGALGPTGRGVVEYFGLDPEDVDVMMGTFTKSF GASGGYIGGKKELIDYLRTHSHSAVYATSLSPVVEQIITSMKCMGQDGTSLGKECVQQLAENTRYFRRRLKE MGFIYGNEDSPVVPLMLYMPAKIGAFGREMLKRNIGVVVVGFPATPIIESRARFCLSAHTKEILDALKEIDEV GDLLQLKYSRHLVPLLDLPFDETTYEETED
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Serine palmitoyltransferase (SPT). The heterodimer formed with LCB1,SPTLC1 constitutes the catalytic core. The composition of the serine palmitoyltransferase (SPT) complex determines the substrate preference. The SPTLC1-SPTLC2-SPTSSA complex shows a strong preference for C16-CoA substrate, while the SPTLC1-SPTLC2-SPTSSB complex displays a preference for C18-CoA substrate.

References

Initial characterization of the human central proteome.Burkard T.R., Planyavsky M., Kaupe I., Breitwieser F.P., Buerckstuehmer T., Bennett K.L., Superti-Furga G., Colinge J.BMC Syst. Biol. 5:17-17(2011) Research Topic:Cancer

Note: This product is for in vitro research use only and is not intended for use in humans or animals.