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LSS Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP9165a

Specification

LSS Antibody (N-term) Blocking Peptide - Product Information

Primary Accession P48449

LSS Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 4047

Other Names
Lanosterol synthase, 3-epoxysqualene--lanosterol cyclase, Oxidosqualene--lanosterol cyclase, OSC, hOSC, LSS, OSC

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

LSS Antibody (N-term) Blocking Peptide - Protein Information

Name LSS

Synonyms OSC

Function
Key enzyme in the cholesterol biosynthesis pathway. Catalyzes the cyclization of (S)-2,3 oxidosqualene to lanosterol, a reaction that forms the sterol nucleus (PubMed:14766201, PubMed:7639730, PubMed:26200341). Through the production of lanosterol may regulate lens protein aggregation and increase transparency (PubMed:26200341).

Cellular Location
Endoplasmic reticulum membrane; Peripheral membrane protein

Tissue Location
Widely expressed. Expressed in the hair bulb, the outer root sheath and hair matrix of the hair follicle epithelium. Also detected in dermal papilla, epidermis, sweat glands, sebaceous glands, and blood vessels.

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LSS Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

LSS Antibody (N-term) Blocking Peptide - Images

LSS Antibody (N-term) Blocking Peptide - Background

LSS catalyzes the conversion of (S)-2,3 oxidosqualene to lanosterol. The encoded protein is a member of the terpene cyclase/mutase family and catalyzes the first step in the biosynthesis of cholesterol, steroid hormones, and vitamin D.

LSS Antibody (N-term) Blocking Peptide - References

Dang, H., et al. J. Biol. Chem. 284(10):6218-6226(2009)Lu, Y., et al. J. Lipid Res. 49(12):2582-2589(2008)Ma, J., et al. Atherosclerosis 191(1):63-72(2007)