SQLE Antibody (N-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	SQLE, Blocking Peptide
Full Product Name	SQLE Antibody (N-term) Blocking peptide
Product Gene Name	SQLE blocking peptide
Product Synonym Gene Name	ERG1
Product Synonym Names	Squalene monooxygenase; Squalene epoxidase; SE; SQLE; ERG1
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	SQLE peptide (MBS9219277) is used for blocking the activity of SQLE antibody (MBS9201019)
Molecular Weight	63,923 Da
OMIM	602019
Cellular Location	Microsome membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein
Related Product Information for SQLE blocking peptide	Catalyzes the first oxygenation step in sterol biosynthesis and is suggested to be one of the rate-limiting enzymes in this pathway.
Other Notes	Small volumes of SQLE blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SQLE purchase	MBS9219277 is a blocking peptide targeting SQLE. Also known as SQLE Antibody (N-term) Blocking peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SQLE. It may not necessarily be applicable to this product.

NCBI GI #	296439362
NCBI GeneID	6713
NCBI Accession #	Q14534.3
UniProt Primary Accession #	Q14534
UniProt Secondary Accession #	Q9UEK6
UniProt Related Accession #	Q14534
NCBI Official Full Name	Squalene monooxygenase
NCBI Official Synonym Full Names	squalene epoxidase
NCBI Official Symbol	SQLE
UniProt Protein Name	Squalene monooxygenase
UniProt Synonym Protein Names	Squalene epoxidase; SE
Protein Family	Squalene monooxygenase

UniProt Gene Name	SQLE
UniProt Synonym Gene Names	ERG1; SE
UniProt Entry Name	ERG1_HUMAN
NCBI Protein Information	squalene monooxygenase
NCBI Summary for SQLE	Squalene epoxidase catalyzes the first oxygenation step in sterol biosynthesis and is thought to be one of the rate-limiting enzymes in this pathway. [provided by RefSeq, Jul 2008]
UniProt Comments for SQLE	SQLE: Catalyzes the first oxygenation step in sterol biosynthesis and is suggested to be one of the rate-limiting enzymes in this pathway. Belongs to the squalene monooxygenase family. Protein type: Lipid Metabolism - steroid biosynthesis; EC 1.14.13.132; Oxidoreductase; Endoplasmic reticulum; Membrane protein, multi-pass; Membrane protein, integral Chromosomal Location of Human Ortholog: 8q24.1 Cellular Component: endoplasmic reticulum membrane Molecular Function: squalene monooxygenase activity Biological Process: cholesterol biosynthetic process
Research Articles on SQLE	**1.** this study have identified a Squalene Monooxygenase region integrally associated with the endoplasmic reticulum membrane that is likely to interact with cholesterol or respond to cholesterol-induced membrane effects.
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