ERG25 Antibody (C-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	ERG25 (MSMO1), Blocking Peptide
Full Product Name	ERG25 Antibody (C-term) Blocking peptide
Product Gene Name	MSMO1 blocking peptide
Product Synonym Gene Name	DESP4; ERG25; SC4MOL
Product Synonym Names	Methylsterol monooxygenase 1; C-4 methylsterol oxidase; MSMO1; DESP4; ERG25; SC4MOL
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.
Specificity	The synthetic peptide sequence used to generate the antibody was selected from the C-term region of ERG25. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.
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	ERG25 peptide (MBS9220327) is used for blocking the activity of ERG25 antibody (MBS9209422)
Molecular Weight	19,470 Da
OMIM	607545
Cellular Location	Endoplasmic reticulum membrane; Multi-pass membrane protein
Related Product Information for MSMO1 blocking peptide	MBS9220327 is a blocking peptide targeting MSMO1. Also known as ERG25 Antibody (C-term) Blocking peptide.
Other Notes	Small volumes of MSMO1 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MSMO1. It may not necessarily be applicable to this product.

NCBI GI #	2498340
NCBI GeneID	6307
NCBI Accession #	Q15800.1
UniProt Primary Accession #	Q15800
UniProt Secondary Accession #	Q32Q24; A8K8Q3; A8MYF6; D3DP32
UniProt Related Accession #	Q15800
NCBI Official Full Name	Methylsterol monooxygenase 1
NCBI Official Synonym Full Names	methylsterol monooxygenase 1
NCBI Official Symbol	MSMO1
NCBI Official Synonym Symbols	DESP4; ERG25; MCCPD; SC4MOL
UniProt Protein Name	Methylsterol monooxygenase 1
UniProt Synonym Protein Names	C-4 methylsterol oxidase

Protein Family	Methylsterol monooxygenase
UniProt Gene Name	MSMO1
UniProt Synonym Gene Names	DESP4; ERG25; SC4MOL
UniProt Entry Name	MSMO1_HUMAN
NCBI Protein Information	methylsterol monooxygenase 1
NCBI Summary for MSMO1	Sterol-C4-mehtyl oxidase-like protein was isolated based on its similarity to the yeast ERG25 protein. It contains a set of putative metal binding motifs with similarity to that seen in a family of membrane desaturases-hydroxylases. The protein is localized to the endoplasmic reticulum membrane and is believed to function in cholesterol biosynthesis. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for MSMO1	SC4MOL: Sterol-C4-mehtyl oxidase-like protein was isolated based on its similarity to the yeast ERG25 protein. It contains a set of putative metal binding motifs with similarity to that seen in a family of membrane desaturases-hydroxylases. The protein is localized to the endoplasmic reticulum membrane and is believed to function in cholesterol biosynthesis. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008] Protein type: EC 1.14.13.72; Oxidoreductase; Membrane protein, multi-pass; Endoplasmic reticulum; Lipid Metabolism - steroid biosynthesis; Membrane protein, integral Chromosomal Location of Human Ortholog: 4q32-q34 Cellular Component: endoplasmic reticulum; endoplasmic reticulum membrane; plasma membrane Molecular Function: C-4 methylsterol oxidase activity Biological Process: cholesterol biosynthetic process; fatty acid metabolic process; steroid metabolic process
Research Articles on MSMO1	**1.** SC4MOL is situated within the psoriasis susceptibility locus PSORS9, and may be a genetic risk factor for common skin conditions. [review]
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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