LCE1A Antibody (C-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	LCE1A, Blocking Peptide
Full Product Name	LCE1A Antibody (C-term) Blocking peptide
Product Gene Name	LCE1A blocking peptide
Product Synonym Gene Name	LEP1
Product Synonym Names	Late cornified envelope protein 1A; Late envelope protein 1; LCE1A; LEP1
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	LCE1A peptide (MBS9217960) is used for blocking the activity of LCE1A antibody (MBS9202011)
Molecular Weight	10,982 Da
OMIM	612603
Tissue Location	Skin-specific. Expression was readily detected in adult trunk skin, adult arm skin, fetal skin, penal skin, vulva, esophagus and tongue. Not expressed in the cervix, rectum, lung, colon, or placenta.
Related Product Information for LCE1A blocking peptide	MBS9217960 is a blocking peptide targeting LCE1A. Also known as LCE1A Antibody (C-term) Blocking peptide. Precursors of the cornified envelope of the stratum corneum.
Other Notes	Small volumes of LCE1A 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 LCE1A. It may not necessarily be applicable to this product.

NCBI GI #	74745413
NCBI GeneID	353131
NCBI Accession #	Q5T7P2.1
UniProt Primary Accession #	Q5T7P2
UniProt Related Accession #	Q5T7P2
NCBI Official Full Name	Late cornified envelope protein 1A
NCBI Official Synonym Full Names	late cornified envelope 1A
NCBI Official Symbol	LCE1A
NCBI Official Synonym Symbols	LEP1
UniProt Protein Name	Late cornified envelope protein 1A
UniProt Synonym Protein Names	Late envelope protein 1
Protein Family	Late cornified envelope protein
UniProt Gene Name	LCE1A

UniProt Synonym Gene Names	LEP1
UniProt Entry Name	LCE1A_HUMAN
NCBI Protein Information	late cornified envelope protein 1A
NCBI Summary for LCE1A	LCE1A belongs to the late cornified envelope (LCE) gene cluster within the epidermal differentiation complex (EDC) on chromosome 1. The LCE cluster contains multiple conserved genes that encode stratum corneum proteins, and these genes are expressed relatively late during fetal assembly of the skin cornified envelope (Jackson et al., 2005 [PubMed 15854049]). For further information on the LCE gene cluster, see GENE FAMILY below.[supplied by OMIM, Feb 2009]
UniProt Comments for LCE1A	LCE1A: Precursors of the cornified envelope of the stratum corneum. Belongs to the LCE family. Chromosomal Location of Human Ortholog: 1q21.3 Cellular Component: cornified envelope; cytoplasm Molecular Function: structural molecule activity Biological Process: keratinocyte differentiation; peptide cross-linking
Research Articles on LCE1A	**1.** a paper relating nomenclature changes and expression in range of tissues and in response to UV
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