

Recombinant Human LANCL1, His-tagged

Cat. No. LANCL1-243H Lot. No. (See product label)

SPECIFICATION

Product Overview	LANCL1, 1-399aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-399aa
Description	<p>LANCL1 is a loosely associated peripheral membrane protein related to the LanC family of bacterial membrane-associated proteins involved in the biosynthesis of antimicrobial peptides. This protein may play a role as a peptide-modifying enzyme component in eukaryotic cells. Previously considered a member of the G-protein-coupled receptor superfamily, this protein is now in the LanC family. Multiple alternatively spliced variants, encoding the same protein, have been identified. Recombinant human LANCL1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.</p>
Form	Liquid. In 20mM Tris-HCl buffer (pH 7.5) containing 0.15M NaCl, 20% glycerol, 1mM DTT
Molecular Mass	47.7 kDa (422aa) confirmed by MALDI-TOF
AA Sequence	<p>MGSSHHHHHH SSGLVPRGSH MGSMAQRAFP NPYADYNKSL AEGYFDAAGR LTPEFSQRLT NKIRELLQQM ERGLKSADPR DGTGYTGWAG IAVLYLHLYD VFGDPAYLQL AHGYVKQSLN CLTKRSITFL CGDAGPLAVA AVLYHKMNNE</p>

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KQAEDCITRL IHLNKIDPHA PNEMLYGRIG YIYALLFVNK NFGVEKIPQS
 HIQQICETIL TSGENLARKR NFTAKSPLMY EWYQEYYVGA AHGLAGIYYY
 LMQPSLQVSQ GKLHSLVKPS VDYVCQLKFP SGNYPPECIGD NRDLLVHWCH
 GAPGVIYMLI QAYKVFREEK YLCDAYQCAD VIWQYGLLKK GYGLCHGSAG
 NAYAFLTYLN LTQDMKYLYR ACKFAEWCLE YGEHGCRTPD TPFSLFEGMA
 GTIYFLADLL VPTKARFPAF EL

Purity	>95 % by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	1mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	LANCL1 LanC lantibiotic synthetase component C-like 1 (bacterial) [Homo sapiens]
Official Symbol	LANCL1
Synonyms	LANCL1; LanC lantibiotic synthetase component C-like 1 (bacterial); GPR69A, LanC (bacterial lantibiotic synthetase component C) like 1; lanC-like protein 1; p40; G protein-coupled receptor 69A; 40 kDa erythrocyte membrane protein; LanC (bacterial lantibiotic synthetase component); LanC (bacterial lantibiotic synthetase component C)-like 1; GPR69A;
Gene ID	10314
mRNA Refseq	NM_001136574
Protein Refseq	NP_001130046

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MIM	604155
UniProt ID	O43813
Chromosome Location	2q33-q35
Function	G-protein coupled receptor activity; SH3 domain binding; catalytic activity; glutathione binding; low-density lipoprotein particle receptor binding; metal ion binding; zinc ion binding;

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