

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	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.
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	MGSSHHHHHH SSGLVPRGSH MGSMAQRAFP NPYADYNKSL AEGYFDAAGR LTPEFSQRLT NKIRELLQQM ERGLKSADPR DGTGYTGWAG IAVLYLHLYD VFGDPAYLQL AHGYVKQSLN CLTKRSITFL CGDAGPLAVA AVLYHKMNNE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

KQAEDCITRL IHLNKIDPHA PNEMLYGRIG YIYALLFVNK NFGVEKIPQS
 HIQQICETIL TSGENLARKR NFTAKSPLMY EWYQEYYVGA AHGLAGIYYY
 LMQPSLQVSQ GKLHSLVKPS VDYVCQLKFP SGNYPPCIGD NRDLLVHWCH
 GAPGVIYMLI QAYKVFREEK YLCDAYQCAD VIWQYGLLKK GYGLCHGSAG
 NAYAFLTLYN 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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