

# Recombinant human LANCL1 protein

Catalog Number: ATGP2736

## PRODUCT INFORMATION

---

### Expression system

E.coli

### Domain

1-399aa

### UniProt No.

O43813

### NCBI Accession No.

NP\_006046

### Alternative Names

lanC-like protein 1, GPR69A, p40

## PRODUCT SPECIFICATION

---

### Molecular Weight

47.7 kDa (422aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 0.15M NaCl, 20% glycerol, 1mM DTT

### Purity

> 95% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

---

### 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.

# Recombinant human LANCL1 protein

Catalog Number: ATGP2736

## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MAQRAFP NPYADYNKSL AEGYFDAAGR LTPEFSQRLT NKIRELLQQM  
ERGLKSADPR DGTGYTGWAG IAVLYLHLYD VFGDPAYLQL AHGYVKQSLN CLTKRSITFL CGDAGPLAVA AVLYHKMNNE  
KQAEDCITRL IHLNKIDPHA PNEMLYGRIG YIYALLFVNK NFGVEKIPQS HIQCICETIL TSGENLARKR NFTAKSPLMY  
EWYQEYVGA AHGLAGIYYY LMQPSLQVSQ GKLHSLVKPS VDYVCQLKFP SGNYPPIGD NRDLLVHWCH GAPGVIYMLI  
QAYKVFREK YLCDAYQCAD VIWQYGLLKK GYGLCHGSAG NAYAFLLTYN LTQDMKYLYR ACKFAEWCLE YGEHGCRTPD  
TPFSLFEGMA GTIYFLADLL VPTKARFPAF EL

## General References

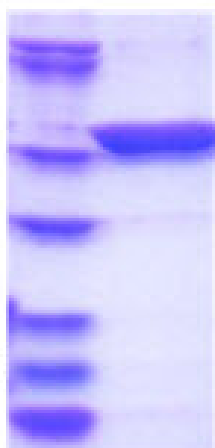
Zhang W., et al (2009). Genes Dev. 23:1387-1392  
Blisnick T., et al (2005). Mol. Biochem. Parasitol. 141:39-47

## DATA

### SDS-PAGE

(kDa)

70  
57  
40  
28  
18  
13.5  
8.5



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)