

AR51556PU-S

Human LANCL1 (1-399, His-tag) - Purified

Alternate names:

40 kDa erythrocyte membrane protein, GPR69A, LANCL1, LanC-like protein 1, p40

Quantity:

0.1 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[O43813](#)

NCBI:

[NP_006046](#)

GeneID:

[10314](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 7.5) containing 0.15M NaCl, 20% glycerol, 1mM DTT

Description:

Recombinant human LANCL1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGSMAQRAFP NPYADYNKSL AEGYFDAAGR LTPEFSQRLT
NKIRELLQQM ERGLKSADPR DGTGYTGWAG IAVLYLHLYD VFGDPAYLQL AHGYVKQSLN
CLTKRSITFL CGDAGPLAVA AVLYHKMNNE KQAEDECITRL IHLNKIDPHA PNEMLYGRIG
YIYALLFVNK NFGVEKIPQS HIQQICETIL TSGENLARKR NFTAQSPLMY EWYQEYYVGA
AHGLAGIYYY LMQPSLQVSQ GKLHSLVKPS VDYVCQLKFP SGNYPPECIGD NRDLLVHWCH
GAPGVIYMLI QAYKVFRECK YLCDAYQCAD VIWQYGLLKK GYGLCHGSAG NAYAFLLTYN
LTQDMKYLYR ACKFAEWCLE YGEHGCRTPD TPFSLFEGMA GTIYFLADLL VPTKARFPAP EL

Molecular weight: 47.7 kDa (422aa) confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

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

Pictures:

