
Product Data Sheet

Product Name: LANCL1 Human

Cat. No.: GP23798

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	GPR69A; p40; LanC-like protein 1; 40 kDa erythrocyte membrane protein; LANCL1.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAQRAFP NPYADYNKSL AEGYFDAAGR LTPEFSQRLT NKIRELLQQM ERGLKSADPR DGTGYTGWAG IAVLYLHLYD VFGDPAYLQL AHGYVKQSLN CLTKRSITFL CGDAGPLAVA AVLYHKMNNE KQAEDCITRL IHLNKIDPHA PNEMLYGRIG YIYALLFVNK NFGVEKIPQS HIQQICETIL TSGENLARKR NFTAKSPLMY EWYQEYYVGA AHGLAGIYYY LMQPSLQVSQ GKLHSLVKPS VDYVCQLKFP SGNYPFCIGD NRDLLVHWCH GAPGVYMLI QAYKVFREEK YLCDAYQCAD VIWQYGLLKK GYGLCHGSAG NAYAFLLTYN LTQDMKYLYR ACKFAEWCLE YGEHGCRTPD TPFSLFEGMA GTIYFLADLL VPTKARFPAF EL.		
Formulation	LANCL1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 7.5), 0.15M NaCl, 20% glycerol and 1mM DTT.		

Introduction

LanC Lantibiotic Synthetase Component C-Like 1 (LANCL1) belongs to the LanC family although formerly considered a part of the G-proteincoupled receptor superfamily. LANCL1 takes part in the biosynthesis of antimicrobial peptides. LANCL1 functions as a peptide-modifying enzyme component in eukaryotic cells. LANCL1 participates in EPS8 signaling and binds glutathione.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Background

LANCL1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 422 amino acids (1-399a.a) and having a molecular mass of 47.7kDa. LANCL1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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