
Product Data Sheet

Product Name: GLYATL2 Human
 Cat. No.: GP21697
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	BXMAS2-10; GATF-B; Glycine N-acyltransferase-like protein 2; Acyl-CoA:glycine N-acyltransferase-like protein 2; GLYATL2.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMLVLHNS QKLQILYKSL EKSIPESIKV YGAIFNIKDK NPFNMEVLVD AWPDYQIVIT RPQKQEMKDD QDHYTNTYHI FTKAPDKLEE VLSYSNVISW EQTLQIQGCQ EGLDEAIRKV ATSKSVQVDY MKTILFIPEL PKKHKTSSND KMELFEVDDD NKEGNFSNMF LDASHAGLVN EHWAFGKNER SLKYIERCLQ DFLGFGVLGP EGQLVSWIVM EQSCELRMGY TVPKYRHQGN MLQIGYHLEK YLSQKEIPFY FHVADNNEKS LQALNNLGFK ICPCGWHQWK CTPKKYC.		
Formulation	The GLYATL2 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 50% glycerol and 2mM DTT.		

Introduction

Glycine-N-Acyltransferase-Like 2 (GLYATL2) is a part of the glycine N-acyltransferase family expressed mainly in salivary gland and trachea. GLYATL2 is a mitochondrial acyltransferase that transfers the acyl group to the N-terminus of glycine. GLYATL2 conjugates numerous substrates, like arachidonoyl-CoA and saturated medium and longchain acyl-CoAs ranging from chain-length C8:0-CoA to C18:0-CoA, to form a variety of N-acylglycines. GLYATL2 also shows a preference for monounsaturated fatty acid oleoyl-CoA (C18:1-CoA) as an acyl donor.

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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Background

GLYATL2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 317 amino acids (1-294a.a) and having a molecular mass of 36.7kDa. GLYATL2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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