

# Recombinant human GLYATL2 protein

Catalog Number: ATGP2551

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-294aa

### UniProt No.

Q8WU03

### NCBI Accession No.

NP\_659453

### Alternative Names

glycine N-acyltransferase-like protein 2, glycine N-acyltransferase-like protein 2, BXMAS2-10, GATF-B

## PRODUCT SPECIFICATION

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### Molecular Weight

36.7 kDa (317aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 50% glycerol, 2mM DTT

### Purity

> 85% 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

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### Description

GLYATL2 belongs to the glycine N-acyltransferase family. This protein is expressed at highest levels in salivary gland and trachea. It is a mitochondrial acyltransferase which transfers the acyl group to the N-terminus of glycine. GLYATL2 conjugates numerous substrates, such as arachidonoyl-CoA and saturated medium and long-chain acyl-CoAs ranging from chain-length C8:0-CoA to C18:0-CoA, to form a variety of N-acylglycines. Recombinant human GLYATL2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMLVLHNS QKLQILYKSL EKSIPESIKV YGAIFNIKDK NPFNMEVLVD AWPDYQIVIT  
RPQKQEMKDD QDHYTNTYHI FTKAPDKLEE VLSYSNVISW EQTLQIQGCQ EGLDEAIRKV ATSKSVQVDY MKTILFIPEL  
PKKHKTSND KMELFEVDDD NKEGNFSNMF LDASHAGLVN EHWAFGKNER SLKYIERCLQ DFLGFGVLGP EGQLVSWIVM  
EQSCELRMGY TVPKYRHQGN MLQIGYHLEK YLSQKEIPFY FHVADNNEKS LQALNNLGFK ICPCGWHQWK CTPKKYC

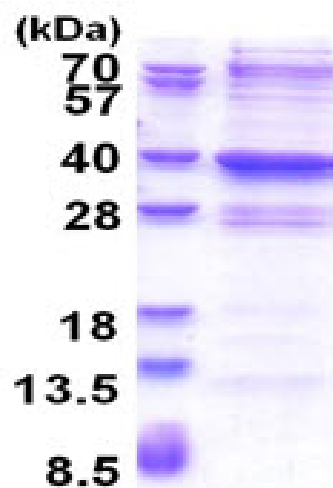
### General References

Waluk,D.P., et al. (2012) J. Biol. Chem. 287 (20), 16158-16167

Matsuo,M., et al. (2012) Biochem. Biophys. Res. Commun. 420 (4), 901-906

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)