

Product datasheet for **SC329913**

GLYATL1 (NM_001220494) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: GLYATL1 (NM_001220494) Human Untagged Clone
Tag: Tag Free
Symbol: GLYATL1
Synonyms: GATF-C; GNAT
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC329913 representing NM_001220494.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGATCCTACTGAATAACTCCCATAAGCTGCTGGCCCTATACAAATCCTTGGCCAGGAGCATCCCTGAG
TCCCTGAAGGTGTATGGCTCTGTGTATCACATCAATCACGGGAACCCCTTCAACATGGAGGTGCTGGTG
GATTCTCTGGCCTGAATATCAGATGGTTATTATCCGGCCTCAAAGCAGGAGATGACTGATGACATGGAT
TCATACACAAACGTATATCGTATGTTCTCAAAGAGCCTCAAAAATCAGAAGAAGTTTGAATAATTGT
GAGATCGTAAACTGGAACAGAGACTCCAAATCCAAGGTCTTCAAGAAAGTTTAGGTGAGGGGATAAGA
GTGGCTACATTTTCAAAGTCAGTGAAAGTAGAGCATTGAGAGCACTCCTCTTGGTTACGGAAGATATT
CTGAAGCTCAATGCCTCCAGTAAAGCAAGCTTGAAGCTGGGCTGAGACAGGCCACCCAGATGATGAA
TTTGAAAGTGAACTCCCAACTTAAAGTATGCCAGCTGGATGTCTTATTCTGGGCTGGTAAATGAC
AACTGGAAGCGAGGGAAGAATGAGAGGAGCCTGCATTACATCAAGCGCTGCATAGAAGACCTGCCAGCA
GCCTGTATGCTCGGCCAGAGGGAGTCCCGGTCTCATGGGTAACCATGGACCTTCTTGTGAAGTAGGA
ATGGCCTACAGCATGGAATAATACCGAAGGACAGGCAACATGGCACGAGTGATGGTGCGATACATGAAA
TATCTGCGTCAGAAGAATATCCATTTTACATCTCTGTGTTGGAAGAAAATGAAGACTCCCGCAGATTT
GTGGGGCAGTTTGGTTTCTTTGAGGCCTCCTGTGAGTGGCACCAATGGACTTGCTACCCACAGAATCTA
GTTCCATTTTAG
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001220494

Insert Size: 909 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).


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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001220494.1](#)

RefSeq Size: 2364 bp

RefSeq ORF: 909 bp

Locus ID: 92292

UniProt ID: [Q969I3](#)

Cytogenetics: 11q12.1

MW: 35.1 kDa

Gene Summary: Acyltransferase which transfers an acyl group to the N-terminus of glutamine. Can use phenylacetyl-CoA as an acyl donor.[UniProtKB/Swiss-Prot Function]
 Transcript Variant: This variant (2) represents the use of an alternate promoter and has multiple differences compared to variant 1. These differences result in a distinct 5' UTR, cause translation initiation at an alternate AUG and result in an isoform (2) which has a distinct N-terminus and is shorter compared to isoform 1. Variants 2 and 4 encode the same protein.