

Product datasheet for RC212899L4

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

OriGene Technologies, Inc.

AGXT (NM_000030) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: AGXT (NM_000030) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: AGXT

Synonyms: AGT; AGT1; AGXT1; PH1; SPAT; SPT; TLH6

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

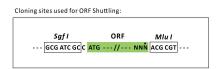
E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC212899).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_000030

ORF Size: 1176 bp



AGXT (NM_000030) Human Tagged Lenti ORF Clone - RC212899L4

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

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).

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: <u>NM 000030.1</u>

RefSeq Size:1611 bpRefSeq ORF:1179 bp

Locus ID: 189

 UniProt ID:
 P21549

 Cytogenetics:
 2q37.3

Domains: aminotran 5

Protein Families: Druggable Genome

Protein Pathways: Alanine, aspartate and glutamate metabolism, Glycine, serine and threonine metabolism,

Metabolic pathways

MW: 43 kDa

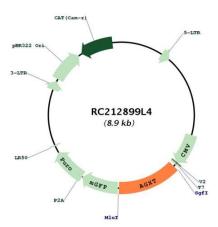
Gene Summary: This gene is expressed only in the liver and the encoded protein is localized mostly in the

peroxisomes, where it is involved in glyoxylate detoxification. Mutations in this gene, some of which alter subcellular targetting, have been associated with type I primary hyperoxaluria.

[provided by RefSeq, Jul 2008]



Product images:



Circular map for RC212899L4