

Product datasheet for MC227455

Agxt (NM_001276710) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Agxt (NM_001276710) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Agxt
 Synonyms: AGT; Agt1; Agxt1; SPT
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >MC227455 representing NM_001276710
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCTCGTATCAGCTGCTGGTGCCACCGCCAGAGGCCCTGAGCAAGCCCTGTCAGTTCCTACGAGGC
 TCCTGTTGGGTCCGGGGCCCTCCAACCTGGCTCCCGTGTGCTGGCGGGGGAAGTCTGAGAATGATTGG
 CCACATGCAAAAAGAGATGCTTCAGATCATGGAGGAGATCAAGCAAGGCATCCAGTATGTGTTCCAGACC
 AGGAACCCCTCACACTGGTTGTAGCGGTTAGGGCACTGCGCCATGGAGACTGCCTGTTCAACCTCC
 TAGAGCCTGGGGACTCCTTTCTAACCGGAACCAATGGCATCTGGGGAATGCGGGCTGCAGAGATTGCTGA
 TCGCATTGGAGCCGTGTGCACCAGATGATCAAGAAGCCTGGAGAACATTATACACTGCAGGAGGTGGAG
 GAGGGCCTGGCCAACACAAACCGGATTGCTGTTCTGGTCCACGGGGAGTCACTCACTGGCGTGGTGC
 AGCCCTGGATGGTTTTGGGGAGCTCTGCCATAGGTACAGTGCCTACTCCTGGTGGACTCAGTGGCATC
 CCTGGGCGGGTTCCTATCTACATGGACCAACAAGGCATTGACATCATGTACTCTAGCTCTCAGAAGGTC
 CTGAATGCCCCACGAGGATCTCCCTCATCTCCTTCAACGACAAGGCCAAATACAAGGTCTACTCCCGGA
 AGACAAAGCCAGTCTCCTTCTACACAGACATCACATACTTGCCAAATTGTGGGATGTGAGGGCGAGAC
 CAGAGTAATTCATACACCACCTGTACCAGCTTATACTGCCTGAGGGAGAGCCTGGCACTCATTGCA
 GAGCAGGGCCTGGAGAATTGCTGGCGGCTCACAGGGAGGCTACAGCACATCTGCACAAACACTGCAGG
 AGATGGGCTTAAAGTTCTTTGTGAAGGATCCGAAATCCGGCTACCCACAATCACCACCGTACTGTGCC
 TGCCGGCTACAACCTGGAGGGACATCGTCAGCTATGTGCTGGACCACTTACGATTGAAATCTCTGGGGT
 CTTGGGCCACTGAGGAGGGTGTACGGATTGGCTCCTGGGCTACAACGCCACCCTGAGAATGTGG
 ACCGTGTGGCCGAGGCCCTGAGGGAGGCCCTGCAGCATTGCTTAAGAACAAGTTG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001276710
Insert Size:	1179 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none"> 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_001276710.1, NP_001263639.1</u>
RefSeq Size:	1553 bp
RefSeq ORF:	1179 bp
Locus ID:	11611
Cytogenetics:	1 47.0 cM
Gene Summary:	<p>Dual metabolic roles of gluconeogenesis (in the mitochondria) and glyoxylate detoxification (in the peroxisomes).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) includes an upstream AUG start codon (uAUG) and a downstream AUG start codon (dAUG). Isoform 2 is encoded from the CDS with the dAUG start codon, and is a peroxisomal enzyme. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>