

Product datasheet for **MC206525**

Uap1 (BC017547) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Uap1 (BC017547) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Uap1
Synonyms:	AGX-1, AGX-2, AgX, AGX1, SPAG2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC017547
 CCGCGGGATTGTCGAGGGAGCTCTCCCTACTCTGTTTTTACCAAGCTTCACTACCAGAGCACTATGAATG
 TCAATGACCTCAAACAAAGGCTGTCCCAAGCTGGGCAAGAGCACCTGCTGCAGTTCTGGAATGAGCTGTC
 CGAAGCCCAGCAGGTAGAAGTTTATATGGAGCTCCAGGCCATGAAGTTTGAAGAGCTGAAGTCTTTTTTC
 CGGAAGGCCATTGGTGAATTTGATCGATCCTCTCACCAAGAAAAGGTGGACGCACGAATGGAGCCTGTGC
 CCCGGCAGGTTTTGGGCAGTGTACCAGAGATCAAGAGCAGCTGCAGGCCCTGGGAAAGTGAAGGACTTTC
 TCAGATTTCTCAAACAAAGTAGCAGTTCTTCTTAGCTGGTGGCAGGGGACAAGACTTGGAGTCTCA
 TATCCCAAGGGCATGTATGATGTTGGCTTGCCATCCCACAAGACGCTTTTTTCAGATTCAAGCAGAACGTA
 TTCTGAAACTCCAGCAGTTAGCTGAAAAACACCATGGCAACAAGTGCACCATCCCATGGTATATAATGAC
 CAGCGGCAGAACAATGGAATCAACGAAGGAGTTCTTACAAAGCACAAGTTCTTTGGTTAAAAAAGGAG
 AACGTGGTGTTCAGCAGGGAATGCTGCCTGCTATGAGTTTTGATGGGAAAATTATCTTGGAAAGAGA
 AAAACAAAGTTTCTATGGCTCCAGATGGGAATGGTGGTCTCTACCGGGCTTTCAGCCAAAAACATTGT
 GGAGGACATGGAGCAAAGAGGCATCTGCAGTATTCATGTCTATTGTGGACAACATATTGGTAAAAGTG
 GCGGACCCACGGTTCATTGGATTCTGCATTAGAAAGGAGCAGACTGTGGGGCAAAGGTGGTAGAGAAAA
 CGAATCCACAGAGCCAGTTGGAGTGGTTTCCCGGGTGGATGGAGTATACCAGGTGGTAGAATACAGCGA
 GATCTCTCTGGCAACAGCTCAAAGGCGAAGTTCAGATGGACGGCTGCTGTTCAATGCAGGGAACATTGCC
 AATCACTTCTTCACTGTCCCGTTCTGAAAGATGTTGTCAATGTTTATGAACCTCAGTTGCAGCACCATG
 TGGCTCAAAGAAGATCCATATGTGGACTCCCAGGGTACTTCAATTAAGCCAGACAAGCCAAATGGAAT
 AAAGATGGAAAAATTTGTCTTTGACATCTTCCAGTTTGCAAAGAAGTTTGTGGTGTATGAAGTATTACGG
 GAAGATGAGTTTTCCCGCTCAAGAATGCAGACAGTCAGAACGGGAAGGACAACCCGACCACGGCAAGGC
 ATGCTTTGATGTCCCTTACCCTGCTGGTCCATGCCGGGGGACACTTCATAGATGAGAATGGCTC
 TCGCTCCAGCCATCCCGGTGCTACAATGAAAAGTCAAGAGCCATCACAGCTGATGTCAATCACAAC
 TTGAAAGATGCCAATGATGTACCGATCCAGTGTGAAATCTCTCCCTCATCTTTATGCTGGAGAGGGTC
 TTGAAGGTTATGTGGCAGATAAAGAGTTCCATGCACCGTTAATCATCGATGAGAATGGAGTTCATGAGCT
 GGTGAAAAATGGCATATAAATCCTAACGGGCCACATAGGGAACCGTTGTCTTGGTAGATCAACTGTGAAC
 CTGCGGGACTTGTCTGGACAGCTGAAGTTTGGACGTGCATCGAGTCTCATTGCTTGTAGTGTCTGCT
 AAGCAACACAGACTTCCCAGACCAGATGACTGGAGTTCAATTTTTAAAGCATTTTTTTTTTCTTTTTTGT
 GATTCTCAACTCTCTGAAGGTCTATTTTATTTTTTAACTATATAAGTCTTCCAAGCCAAGGCTCACA
 TTGGCCACCCAGGAACTTCGTGAGCTTACTCTGGTTGGATGTTGAGCATGACTTCACTTGAAGCTGGA
 AGCATTGTTTTTGAAGTTGTACATATTGATAAGTCAGCGTATGTGTGAGAGTTTCTATGGTACTAAAA
 TTTTGTGTTTTTATCAAGCATTAAAGTTTTTTAAGAAAATAACTGGACAGCAAAATAAAATTATCTTC
 TTGTCAGTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: EcoRI-NotI

ACCN: BC017547

Insert Size: 1566 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).

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: [BC017547](#), [AAH17547](#)

RefSeq Size: 2139 bp

RefSeq ORF: 1566 bp

Locus ID: 107652

Cytogenetics: 1 H3

Gene Summary: Converts UTP and GlcNAc-1-P into UDP-GlcNAc, and UTP and GalNAc-1-P into UDP-GalNAc. Isoform AGX1 has 2 to 3 times higher activity towards GalNAc-1-P, while isoform AGX2 has 8 times more activity towards GlcNAc-1-P (By similarity).[UniProtKB/Swiss-Prot Function]