OriGene Technologies, Inc.
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

Product datasheet for SC304489

gp340 (DMBT1) (NM_017579) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: gp340 (DMBT1) (NM_017579) Human Untagged Clone

Tag: Tag Free

Symbol: gp340

Synonyms: GP340; muclin; SAG; SALSA

Vector: pCMV6 series

Fully Sequenced ORF:

>NCBI ORF sequence for NM_017579, the custom clone sequence may differ by one or more nucleotides

ATGGGGATCTCCACAGTCATCCTTGAAATGTGTCTTTTATGGGGACAAGTTCTATCTACA
GGTGGGTGGATCCCAAGGACTACAGACTACGCTTCACTGATTCCCTCGGAGGTGCCCTTG
GATCCAACTGTAGCAGAAGGTTCTCCATTTCCCTCGGAGTCGACCCTGGAGTCAACTGTA
GCAGAAGGTTCTCCGATTTCCTTGGAGTCAACCCTGGAGTCAACCGTAGCAGAAGGTTCT
CTGATTCCCTCAGAGTCAACCCTGGAGTCAACTGTAGCAGAAGGATCTGATTCTGGTTTG
GCCCTGAGGCTGGTGAATGGAGATGGCAGGTGTCAGGGCCGAGTGGAGATCCTATACCGA
GGCTCCTGGGGCACCGTGTGTGATGACAGCTGGGACACCAATGATGCCAACGTGGTCTGT
AGGCAGCTGGGTTGTGGCTGGGCCATGTCAGCTCCAGGAAATGCCTGGTTTGGCCAGGGC
TCAGGACCCATTGCCCTGGATGATGTGCGCTGCTCAGGACACGAATCCTACCTGTGGAGC
TGCCCCCACAATGGCTGGCTCTCCCATAACTGTGGCCATGGTGAAGATGCTGGTGTTATC
TGCTCAGCTGCCCAGCCTCAGTCAACACTCAGGCCAGAAAGTTGGCCTGTCAGGATATCA
CCACCTGTACCCACAGAAGGATCTGAATCCAGTTTGGCCCTGAGGCTGGTGAATGGAGGC
GACAGGTGTCGAGGCCGAGTGGAGGTCCTATACCGAGGCTCCTGGGGCACCGTGTGTGAT
GACTACTGGGACACCAATGATGCCAATGTGGTCTGCAGGCAGCTGGGCTGTGGCTGGGCC
ATGTCAGCCCCAGGAAATGCCCAGTTTGGCCAGGGCTCAGGACCCATTGTCCTGGATGAT
GTGCGCTGCTCAGGACATGAGTCCTACCTGTGGAGCTGCCCCCACAATGGCTGGCTCACC
CACAACTGTGGCCATAGTGAAGACGCTGGTGTCATCTGCTCAGCTCCCCAGTCCCGGCCG
ACACCCAGCCCAGATACTTGGCCGACCTCACATGCATCAACAGCAGGACCTGAATCCAGT
TTGGCCCTGAGGCTGGTGAATGGAGGTGACAGGTGTCAGGGCCGAGTGGAGGTCCTATAC
CGAGGCTCCTGGGGCACCGTGTGTGATGATAGCTGGGACACCAGTGACGCCAATGTGGTC
TGCCGGCAGCTGGGCTGTGGCTGGGCCACGTCAGCCCCAGGAAATGCCCGGTTTGGCCAG
GGTTCAGGACCCATTGTCCTGGATGACGTGCGCTGCTCAGGCTATGAGTCCTACCTGTGG
AGCTGCCCCCACAATGGCTGGCTCTCCCATAACTGTCAGCACAGTGAAGACGCTGGTGTC
ATCTGCTCAGACACGTTGCCGACCATCACCTTACCTGCATCGACAGTAGGATCTGAATCC
AGTTTGGCCCTGAGGCTGGTGAATGGAGGTGACAGGTGTCAGGGCCGAGTGGAGGTCCTA
TACCGAGGCTCCTGGGGCACCGTGTGTGATGACAGCTGGGACACCAATGATGCCAATGTG
GTCTGCAGGCAGCTGGGCTGTGGCTGGGCCATGTTGGCCCCAGGAAATGCCCGGTTTGGT
CAGGGCTCAGGACCCATTGTCCTGGATGACGTGCGCTGCTCAGGGAATGAGTCCTACTTG
TGGAGCTGCCCCCACAATGGCTGGCTCTCCCATAACTGTGGCCATAGTGAAGACGCTGGT

View online »

GTCATCTGCTCAGGACCTGAATCCAGTTTGGCCCTGAGGCTGGTGAATGGAGGTGACAGG
TGTCAGGGCCGAGTGGAGGTCCTATACCGAGGCTCTTGGGGCACCGTGTGTGATGACAGC
TGGGACACCAATGATGCCAATGTGGTCTGCAGGCAGCTGGGCTGTGGCTGGGCCACGTCA
GCCCCAGGAAATGCCCGGTTTGGTCAGGGCTCAGGACCCATTGTCCTGGATGATGTGCGC
TGCTCAGGACATGAGTCCTACCTGTGGAGCTGCCCCAACAATGGCTGGCTCTCCCACAAC
TGTGGCCATCATGAAGATGCTGGTGTCATCTGCTCAGCTGCCCAGTCCCGGTCGACGCCC
AGGCCAGACACGTTGTCGACCATCACGTTACCTCCATCGACAGTAGGATCTGAATCCAGT
TTGACCCTGAGGCTGGTGAATGGAAGTGACAGGTGTCAGGGCCGAGTAGAGGTCCTATAC
CGAGGCTCCTGGGGCACCGTGTGTGATGACAGCTGGGATACCAATGATGCCAATGTGGTC
TGCAGGCAGCTGGGCTGTGGCTGGGCCACGTCGGCCCCAGGAAATGCCCGGTTTGGCCAG
GGCTCAGGACCCATTGTTCTGGATGATGTGCGCTGCTCAGGACACGAGTCCTACCTGTGG
AGCTGCCCCCACAATGGCTGGCTCTCCCACAACTGTGGCCATCATGAAGATGCTGGTGTC
ATCTGCTCAGTTTCCCAGTCCCGGCCGACACCCAGTCCAGATACTTGGCCGACCTCACAT
GCATCAACAGCAGGACCTGAATCCAGTTTGGCCCTGAGGCTGGTGAATGGAGGTGACAGG
TGTCAGGGCCGAGTGGAGGTCCTATACCGAGGCTCCTGGGGCACCGTGTGTGATGATAGC
TGGGACACCAGTGACGCCAATGTGGTCTGCCGGCAGCTGGGCTGTGGCTGGGCCACGTCA
GCCCCAGGAAATGCCCGGTTTGGCCAGGGTTCAGGACCCATTGTCCTGGATGACGTGCGC
TGCTCAGGCTATGAGTCCTACCTGTGGAGCTGCCCCCACAATGGCTGGCTCTCCCATAAC
TGTCAGCACAGTGAAGACGCTGGTGTCATCTGCTCAGCTGCCCACTCCTGGTCGACGCCC
AGTCCAGACACATTGCCGACCATCACCTTGCCTGCATCGACAGTAGGATCTGAATCCAGT
TTGGCCCTGAGGCTGGTGAATGGAGGTGACAGGTGTCAGGGCCGAGTGGAGGTCCTATAC
CAAGGCTCCTGGGGCACCGTGTGCGATGACAGCTGGGACACCAATGATGCCAATGTCGTC
TGCAGGCAACTGGGCTGTGGCTGGGCCATGTCAGCCCCAGGAAATGCCCGGTTTGGTCAG
GGCTCAGGACCCATTGTCCTGGATGATGTGCGCTGCTCAGGACACGAGTCTTACCTGTGG
AGCTGCCCCCACAATGGCTGGCTCTCCCACAACTGTGGCCATAGTGAAGACGCTGGTGTC
ATCTGCTCAGCTTCCCAGTCCCGGCCAACACCTAGTCCAGACACTTGGCCAACCTCACAT
GCATCAACAGCAGGATCTGAATCCAGTTTGGCCCTGAGGCTGGTGAATGGAGGTGACAGG
TGTCAGGGCCGAGTGGAGGTCCTATACCGAGGCTCCTGGGGCACCGTGTGTGATGACTAC
TGGGACACCAATGATGCCAATGTGGTTTGCAGGCAGCTGGGCTGTGGCTGGGCCATGTCA
GCCCCAGGAAATGCCCGGTTTGGCCAGGGTTCAGGACCCATTGTCCTGGATGATGTGCGC
TGCTCAGGACATGAGTCCTATCTGTGGAGCTGCCCCCACAATGGCTGGCTCTCCCACAAC
TGTGGCCATCATGAAGACGCTGGTGTCATCTGCTCAGCTTCCCAGTCCCAGCCGACACCC
AGCCCAGACACTTGGCCAACCTCACATGCATCAACAGCAGGATCTGAATCCAGTTTGGCC
CTGAGGCTGGTGAATGGAGGTGACAGGTGTCAGGGCCGAGTGGAGGTCCTATACCGAGGC
TCCTGGGGCACCGTGTGTGATGACTACTGGGACACCAATGATGCCAATGTGGTTTGCAGG
CAGCTGGGCTGTGGCTGGGCCACGTCAGCCCCAGGAAATGCCCGGTTTGGCCAGGGTTCA
GGACCCATTGTCCTGGATGATGTGCGCTGCTCAGGACATGAGTCCTATCTGTGGAGCTGC
CCCCACAATGGCTGGCTCTCCCACAACTGTGGCCATCATGAAGACGCTGGTGTCATCTGC
TCAGCTTCCCAGTCCCAGCCGACACCCAGCCCAGACACTTGGCCAACCTCACATGCATCA
ACAGCAGGATCTGAATCCAGTTTGGCCCTGAGGCTGGTGAATGGAGGTGACAGGTGTCAG
GGCCGAGTGGAGGTCCTATACCGAGGCTCCTGGGGCACCGTGTGTGATGACTACTGGGAC
ACCAATGATGCCAATGTGGTTTGCAGGCAGCTGGGCTGTGGCTGGGCCACGTCAGCCCCA
GGAAATGCCCGGTTTGGCCAGGGTTCAGGACCCATTGTCCTGGATGATGTGCGCTGCTCA
GGACATGAGTCCTATCTGTGGAGCTGCCCCCACAATGGCTGGCTCTCCCACAACTGTGGC
CATCATGAAGACGCTGGTGTCATCTGCTCAGCTTCCCAGTCCCAGCCGACACCCAGCCCA
GACACTTGGCCAACCTCTCGTGCATCAACAGCAGGATCTGAATCCACTTTGGCCCTGAGA
CTGGTGAATGGAGGTGACAGGTGTCGAGGCCGAGTGGAGGTCCTATACCAAGGCTCCTGG
GGCACCGTGTGTGATGACTACTGGGACACCAATGATGCCAACGTGGTCTGCAGGCAGCTG
GGCTGTGGCTGGGCCATGTCAGCCCCAGGAAATGCCCAGTTTGGCCAGGGCTCAGGACCC
ATTGTCCTGGATGATGTGCGCTGCTCAGGACACGAGTCTTACCTGTGGAGCTGCCCCCAC
AATGGCTGGCTCTCCCACAACTGTGGCCATCATGAAGATGCTGGTGTCATCTGCTCAGCT
GCTCAGTCCCAGTCAACGCCCAGGCCAGATACTTGGCTGACCACCAACTTACCGGCATTG

ACAGTAGGATCTGAATCCAGTTTGGCTCTGAGGCTGGTGAATGGAGGTGACAGGTGTCGA
GGCCGAGTGGAGGTCCTGTATCGAGGCTCCTGGGGAACCGTGTGTGATGACAGCTGGGAC
ACCAATGATGCCAATGTGGTCTGCAGGCAGCTGGGCTGTGGCTGGGCCATGTCGGCCCCA
GGAAATGCCCGGTTTGGCCAGGGCTCAGGACCCATTGTCCTGGATGATGTGCGCTGCTCA
GGGAATGAGTCCTACCTGTGGAGCTGCCCCCACAAAGGCTGGCTCACCCACAACTGTGGC
CATCACGAAGACGCTGGTGTCATCTGCTCAGCCACCCAAATAAATTCTACTACGACAGAT
TGGTGGCATCCAACAACTACAACCACTGCAAGACCCTCTTCAAATTGTGGTGGCTTCTTA
TTCTATGCCAGTGGGACATTCTCCAGCCCATCCTACCCTGCATACTACCCCAACAATGCT
AAGTGTGTTTGGGAAATAGAAGTGAATTCTGGTTATCGCATAAACCTGGGCTTCAGTAAT
CTGAAATTGGAGGCACACCATAACTGCAGTTTTGATTATGTTGAAATCTTTGATGGATCA
TTGAATAGCAGTCTCCTGCTGGGGAAAATCTGTAATGATACCAGGCAAATATTTACATCT
TCTTACAACCGAATGACCATTCACTTTCGAAGTGACATCAGTTTCCAAAACACTGGCTTT
TTGGCTTGGTATAACTCCTTCCCAAGCGATGCCACCTTGAGGTTGGTCAATTTAAATTCA
TCCTATGGTCTATGTGCCGGGCGTGTAGAAATTTACCATGGTGGCACCTGGGGGACAGTT
TGTGATGACTCCTGGACCATTCAGGAAGCTGAGGTGGTCTGCAGACAGCTAGGGTGTGGA
CGTGCAGTTTCAGCCCTTGGAAATGCATATTTTGGCTCTGGCTCTGGCCCCATCACCCTG
GACGATGTAGAGTGCTCAGGGACGGAATCCACTCTCTGGCAGTGCCGGAACCGAGGCTGG
TTCTCCCACAACTGTAATCATCGTGAAGATGCTGGTGTCATCTGCTCAGGAAACCATCTA
TCGACACCTGCTCCTTTTCTCAACATCACCCGTCCAAACACAGATTATTCCTGCGGAGGC
TTCCTATCCCAACCATCAGGGGACTTTTCCAGCCCATTCTATCCCGGGAACTATCCAAAC
AATGCCAAGTGTGTGTGGGACATTGAGGTGCAAAACAACTACCGTGTGACTGTGATCTTC
AGAGATGTCCAGCTTGAAGGTGGCTGCAACTATGATTATATTGAAGTTTTCGATGGCCCC
TACCGCAGTTCCCCTCTCATTGCTCGAGTTTGTGATGGGGCCAGAGGCTCCTTCACTTCT
TCCTCCAACTTCATGTCCATTCGCTTCATCAGTGACCACAGCATCACAAGGAGAGGGTTC
CGGGCTGAGTACTACTCCAGTCCCTCCAATGACAGCACCAACCTGCTCTGTCTGCCAAAT
CACATGCAAGCCAGTGTGAGCAGGAGCTATCTCCAATCCTTGGGCTTTTCTGCCAGTGAC
CTTGTCATTTCCACCTGGAATGGATACTACGAGTGTCGGCCCCAGATAACGCCGAACCTG
GTGATATTCACAATTCCCTACTCAGGCTGCGGCACCTTCAAGCAGGCAGACAATGACACC
ATCGACTATTCCAACTTCCTCACAGCAGCTGTCTCAGGTGGCATCATCAAGAGGAGGACA
GACCTCCGTATTCACGTCAGCTGCAGAATGCTTCAGAACACCTGGGTCGACACCATGTAC
ATTGCTAATGACACCATCCACGTTGCTAATAACACCATCCAGGTCGAGGAAGTCCAGTAT
GGCAATTTTGACGTGAACATTTCCTTTTATACTTCCTCATCTTTCTTGTATCCTGTGACC
AGCCGCCCTTACTACGTGGACCTGAACCAGGACTTGTACGTTCAGGCTGAAATCCTCCAT
TCTGATGCTGTACTGACCTTGTTTGTGGACACCTGCGTGGCATCACCATACTCCAATGAC
TTCACGTCTTTGACTTATGATCTAATCCGGAGTGGATGCGTGAGGGATGACACCTACGGA
CCCTACTCCTCGCCATCTCTTCGCATTGCCCGCTTCCGGTTCAGGGCCTTCCACTTCCTG
AACCGCTTCCCCTCCGTGTACCTGCGTTGTAAAATGGTGGTGTGCAGAGCGTATGACCCC
TCTTCCCGCTGCTACCGAGGCTGTGTGTTGAGGTCGAAGAGGGATGTGGGCTCCTACCAG
GAAAAGGTGGACGTCGTCCTGGGTCCCATCCAGCTGCAGACCCCCCCACGCCGAGAAGAG
GAGCCTCGGTAG

Restriction Sites: Please inquire

ACCN: NM_017579

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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	NM_017579.1, NP_060049.1
RefSeq Size:	7656 bp
RefSeq ORF:	7656 bp
Locus ID:	1755
UniProt ID:	Q9UGM3
Cytogenetics:	10q26.13
Protein Families:	Druggable Genome
Gene Summary:	Loss of sequences from human chromosome 10q has been associated with the progression of human cancers. This gene was originally isolated based on its deletion in a medulloblastoma cell line. This gene is expressed with transcripts of 6.0, 7.5, and 8.0 kb in fetal lung and with one transcript of 8.0 kb in adult lung, although the 7.5 kb transcript has not been characterized. The encoded protein precursor is a glycoprotein containing multiple scavenger receptor cysteine-rich (SRCR) domains separated by SRCR-interspersed domains (SID). Transcript variant 2 (8.0 kb) has been shown to bind surfactant protein D independently of carbohydrate recognition. This indicates that DMBT1 may not be a classical tumor suppressor gene, but rather play a role in the interaction of tumor cells and the immune system. [provided by RefSeq, Mar 2016] Transcript Variant: This variant (3) lacks an alternate in-frame exon in the 5' coding region compared to variant 1. The encoded isoform (c) is shorter than isoform b.