

Product datasheet for **SC303910**

gp340 (DMBT1) (NM_007329) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	gp340 (DMBT1) (NM_007329) Human Untagged Clone
Tag:	Tag Free
Symbol:	gp340
Synonyms:	GP340; muclin; SAG; SALSA
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_007329, the custom clone sequence may differ by one or more nucleotides <pre> ATGGGGATCTCCACAGTCATCCTTGAAATGTGTCTTTTATGGGGACAAGTTCTATCTACA GGTGGGTGGATCCCAAGGACTACAGACTACGCTTCACTGATTCCCTCGGAGGTGCCCTTG GATCCAAGTGTAGCAGAAGGTTCTCCATTTCCCTCGGAGTCGACCCTGGAGTCAACTGTA GCAGAAGGTTCTCCGATTTCTTGGAGTCAACCCTGGAGTCAACCGTAGCAGAAGGTTCT CTGATTCCTCAGAGTCAACCCTGGAGTCAACTGTAGCAGAAGGATCTGATTCTGGTTTG GCCCTGAGGCTGGTGAATGGAGATGGCAGGTGTCAGGGCCGAGTGGAGATCTATACCGA GGCTCCTGGGGCACCGTGTGTGATGACAGCTGGGACACCAATGATGCCAACGTGGTCTGT AGGCAGCTGGGTTGTGGCTGGGCCATGTGAGCTCCAGGAAATGCCTGGTTTGGCCAGGGC TCAGGACCCATTGCCCTGGATGATGTGCGCTGCTCAGGACACGAATCCTACCTGTGGAGC TGCCCCCACAATGGCTGGCTCTCCATAACTGTGGCCATGGTGAAGATGTGGTGTATC TGCTCAGCTGCCAGCCTCAGTCAACACTCAGGCCAGAAAGTTGGCCTGTGAGGATATCA CCACCTGTACCCACAGAAGGATCTGAATCCAGTTTGGCCTGAGGCTGGTGAATGGAGGC GACAGGTGTCGAGGCCGAGTGGAGGTCTATACCGAGGCTCCTGGGGCACCGTGTGTGAT GACTACTGGGACACCAATGATGCCAATGTGGTCTGCAGGCAGCTGGGCTGTGGCTGGGCC ATGTCAGCCCCAGGAAATGCCAGTTTGGCCAGGGCTCAGGACCCATTGTCCTGGATGAT GTGCGCTGCTCAGGACATGAGTCCTACCTGTGGAGCTGCCCCACAATGGCTGGCTCACC CACAAGTGTGGCATAGTGAAGACGCTGGTGTCTCTGCTCAGCTCCCCAGTCCCGGCCG ACACCCAGCCAGATACTTGGCCGACCTCACATGCATCAACAGCAGGACCTGAATCCAGT TTGGCCCTGAGGCTGGTGAATGGAGGTGACAGGTGTCAGGGCCGAGTGGAGGTCTATAC CGAGGCTCCTGGGGCACCGTGTGTGATGATAGCTGGGACACCAAGTACGCCAATGTGGTC TGCCGGCAGCTGGGCTGTGGCTGGGCCACGTGACCCCCAGGAAATGCCCGGTTTGGCCAG GGTTCAGGACCCATTGTCCTGGATGACGTGCGCTGCTCAGGCTATGAGTCCTACCTGTGG AGCTGCCCCCACAATGGCTGGCTCTCCATAACTGTCAGCACAGTGAAGACGCTGGTGTGTC ATCTGCTCAGCTGCCACTCCTGGTCGACGCCAGTCCAGACACGTTGCCGACCATCACC TTACCTGCATCGACAGTAGGATCTGAATCCAGTTTGGCCTGAGGCTGGTGAATGGAGGT GACAGGTGTCAGGGCCGAGTGGAGGTCTATACCGAGGCTCCTGGGGCACCGTGTGTGAT GACAGCTGGGACACCAATGATGCCAATGTGGTCTGCAGGCAGCTGGGCTGTGGCTGGGCC ATGTTGGCCCCAGGAAATGCCCGGTTTGGTCAGGGCTCAGGACCCATTGTCCTGGATGAC GTGCGCTGCTCAGGGAATGAGTCCTACTGTGGAGCTGCCCCACAATGGCTGGCTCTCC </pre>



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 CAGCTGCAGACCCCCCAGCCGAGAAGAGGAGCCTCGGTAG

Restriction Sites:

Please inquire

ACCN:

NM_007329

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 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_007329.1](#), [NP_015568.1](#)

RefSeq Size: 7686 bp

RefSeq ORF: 7242 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 (2) encodes the longest isoform (b).