

Product datasheet for **SC303478**

gp340 (DMBT1) (NM_004406) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	gp340 (DMBT1) (NM_004406) 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_004406, the custom clone sequence may differ by one or more nucleotides

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CACAACCTGTGGCCATAGTGAAGACGCTGGTGTCATCTGCTCAGCTTCCCAGTCCCGGCCA
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GACCCCTCTTCCCGCTGCTACCGAGGCTGTGTGTGAGGTCGAAGAGGGATGTGGGCTCC
TACCAGGAAAAGGTGGACGTCGTCCTGGGTCCCATCCAGCTGCAGACCCCCCACGCCGA
GAAGAGGAGCCTCGGTAG

Restriction Sites:	Please inquire
ACCN:	NM_004406
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:	<u>NM_004406.1, NP_004397.1</u>
RefSeq Size:	5802 bp
RefSeq ORF:	5802 bp
Locus ID:	1755
UniProt ID:	<u>Q9UGM3</u>
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 (1) lacks multiple in-frame exons in the coding region compared to variant 2. The encoded isoform (a) is shorter than isoform b.