

Product datasheet for **SC331268**

MAG (NM_001199216) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: MAG (NM_001199216) Human Untagged Clone
Tag: Tag Free
Symbol: MAG
Synonyms: GMA; S-MAG; SIGLEC-4A; SIGLEC4A; SPG75
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331268 representing NM_001199216.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCCCTCGTCCATCTCGGCCTTGAAGGCACGTGCGTCTCCATCCCCTGCCGCTTTGACTTCCCGGAT
GAGCTGCGGCCCGCTGTGGTGATGGTGTCTGGTACTTCAATAGCCCCTACCCCAAGAACTACCCCGG
GTGGTCTTCAAGTCGCGCACCAAGTAGTCCACGAGAGCTTCCAGGGCCGAGCCGCTCCTGGGGGAC
CTGGGCCCTGCGAACTGCACCCTCTGCTCAGCAACGTAGCCCCGAGCTGGGCGGGAAGTACTACTTC
CGTGGGGACCTGGGCGGCTACAACCAGTACACCTTCTCAGAGCACAGCGTCTGGATATCGTCAACACC
CCCAACATCGTGGTGCCCCAGAGGTGGTGGCAGGCACGAGGTGGAGGTGAGTGCATGGTGCCGGAC
AACTGCCCAGAGCTGCGCCCTGAGCTGAGCTGGCTGGGCCACGAGGGGCTGGGGGAGCCCGCTGTGCTG
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GCCAACGGCCACAGGCTGGGCTGCCAGGCCTCCTTCCCCAACACCACCCTGCAGTTCGAGGGCTACGCC
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CTGATGTGGGCCAAGATCGGGCCTGTGGGCGCCGTGGTGCCTTTGCCATCCTGATTGCCATCGTCTGC
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CCCGTCTGTTCAGCAGCGACTTCCGCATCTCTGGGGCACCAGAGAAGTACGAGAGCGAGAGGGCCCTG
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GACCTGGGGAAACGGCCCAAGGACAGCTACACGCTGACGGAGGAGCTAGCTGAGTATGCTGAAATC
CGGGTCAAGTGA
  
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001199216
Insert Size:	1806 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:	<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_001199216.1</u>
RefSeq Size:	2445 bp
RefSeq ORF:	1806 bp
Locus ID:	4099
UniProt ID:	<u>P20916</u>
Cytogenetics:	19q13.12
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs)
MW:	66.2 kDa
Gene Summary:	<p>The protein encoded by this gene is a type I membrane protein and member of the immunoglobulin superfamily. It is thought to be involved in the process of myelination. It is a lectin that binds to sialylated glycoconjugates and mediates certain myelin-neuron cell-cell interactions. Three alternatively spliced transcripts encoding different isoforms have been described for this gene. [provided by RefSeq, Nov 2010]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (c) is shorter at the N-terminus compared to isoform a.</p>