

Product datasheet for **SC201814**

MICA (NM_000247) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	MICA (NM_000247) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	MICA
Synonyms:	MIC-A; PERB11.1
ACCN:	NM_000247
Insert Size:	206 bp
Insert Sequence:	>SC201814 3'UTR clone of NM_000247 The sequence shown below is from the reference sequence of NM_000247. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GGGTCCACTGGCTCCACTGAGGGCGCC TAG ACTCTACAGCCAGGCAGCTGGGATTCAATTCCTGCCTG GATCTCACGAGCACTTCCCTCTTGGTGCCTCAGTTTCCTGACCTATGAAACAGAGAAAAATAAAGCAC TTATTTATTGTTGTTGGAGGCTGCAAAATGTTAGTAGATATGAGGCGTTTGCAGCTGTACCATATTA ACGCGT AAGCGGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-Mlul
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_000247.3



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Summary:

This gene encodes the highly polymorphic major histocompatibility complex class I chain-related protein A. The protein product is expressed on the cell surface, although unlike canonical class I molecules it does not seem to associate with beta-2-microglobulin. It is a ligand for the NKG2-D type II integral membrane protein receptor. The protein functions as a stress-induced antigen that is broadly recognized by intestinal epithelial gamma delta T cells. Variations in this gene have been associated with susceptibility to psoriasis 1 and psoriatic arthritis, and the shedding of MICA-related antibodies and ligands is involved in the progression from monoclonal gammopathy of undetermined significance to multiple myeloma. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jan 2014]

Locus ID:

100507436

MW:

7.4