

## Product datasheet for **SC335469**

### MICB (NM\_001289161) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MICB (NM_001289161) Human Untagged Clone
Tag:	Tag Free
Symbol:	MICB
Synonyms:	PERB11.2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001289161, the custom clone sequence may differ by one or more nucleotides

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ATGGGGCTGGGCCGGGTCTGCTGTTTCTGGCCGTCGCCCTCCCTTTTGCACCCCGGCAGCCGCCGCTG
AGCCCCACAGTCTTCGTTACAACCTCATGGTGTCTGCCAGGATGGATCTGTGCAGTCAGGGTTTCTCGC
TGAGGGACATCTGGATGGTCAGCCCTTCTGCGCTATGACAGGCAGAAACGCAGGGCAAAGCCCCAGGGA
CAGTGGGCAGAAAATGTCCTGGGAGCTAAGACCTGGGACACAGAGACCGAGGACTTGACAGAGAATGGGC
AAGACCTCAGGAGGACCTGACTCATATCAAGGACCAGAAAGGAGTGCCCCAGTCTCCAGAGCTCAGAC
CTTGGCTATGAACGTCAAAAATTTCTGGAAGGAAGATGCCATGAAGACCAAGACACACTATCGCGTATG
CAGGCAGACTGCCTGCAGAACTACAGCGATATCTGAAATCCGGGGTGGCCATCAGGAGAACAGTGCCTCC
CCATGGTGAATGTACCTGCAGCGAGGTCTCAGAGGGCAACATCACCGTGACATGCAGGGCTTCCAGCTT
CTATCCCCGGAATATCACACTGACCTGGCGTCAGGATGGGGTATCTTTGAGCCACAACCCAGCAGTGG
GGGGATGTCTGCCTGATGGGAATGGAACCTACCAGACCTGGGTGGCCACCAGGATTCGCCAAGGAGAGG
AGCAGAGGTTACCTGCTACATGGAACACAGCGGGAATCACGGCACTCACCTGTGCCCTCTGGGAAGGC
GCTGGTGTTCAGAGTCAACGGACAGACTTCCATATGTTTCTGCTGCTATGCCATGTTTTGTTATTATT
ATTATTCTCTGTGTCCCTTGTGCAAGAAGAAAACATCAGCGGCAGAGGGTCCAGAGCTTGTGAGCCTGC
AGGTCTGGATCAACACCCAGTTGGGACAGGAGACCACAGGGATGCAGCAGACTGGGATTCAGCCTCT
GATGTCAGCTACTGGTCCACTGGTCCACTGAGGGCACCTAG
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001289161



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001289161.1</a></u> , <u><a href="#">NP_001276090.1</a></u>
<b>RefSeq Size:</b>	2396 bp
<b>RefSeq ORF:</b>	1023 bp
<b>Locus ID:</b>	4277
<b>UniProt ID:</b>	<u><a href="#">Q29980</a></u>
<b>Cytogenetics:</b>	6p21.33
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Natural killer cell mediated cytotoxicity
<b>Gene Summary:</b>	<p>This gene encodes a heavily glycosylated protein which is a ligand for the NKG2D type II receptor. Binding of the ligand activates the cytolytic response of natural killer (NK) cells, CD8 alphabeta T cells, and gammadelta T cells which express the receptor. This protein is stress-induced and is similar to MHC class I molecules; however, it does not associate with beta-2-microglobulin or bind peptides. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]</p> <p>Transcript Variant: This variant (3) contains an alternate in-frame splice site in the 5' coding region, compared to variant 1. It encodes isoform 3, which is shorter than isoform 1.</p>