

Product datasheet for TP322315M

OriGene Technologies, Inc.

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MICB (NM_005931) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human MHC class I polypeptide-related sequence B (MICB), 100 μg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone >RC222315 representing NM_005931 **or AA Sequence:** Red=Cloning site Green=Tags(s)

MGLGRVLLFLAVAFPFAPPAAAAEPHSLRYNLMVLSQDGSVQSGFLAEGHLDGQPFLRYDRQKRRAKPQG QWAEDVLGAETWDTETEDLTENGQDLRRTLTHIKDQKGGLHSLQEIRVCEIHEDSSTRGSRHFYYDGELF LSQNLETQESTVPQSSRAQTLAMNVTNFWKEDAMKTKTHYRAMQADCLQKLQRYLKSGVAIRRTVPPMVN VTCSEVSEGNITVTCRASSFYPRNITLTWRQDGVSLSHNTQQWGDVLPDGNGTYQTWVATRIRQGEEQRF TCYMEHSGNHGTHPVPSGKALVLQSQRTDFPYVSAAMPCFVIIIILCVPCCKKKTSAAEGPELVSLQVLD

QHPVGTGDHRDAAQLGFQPLMSATGSTGSTEGA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK
Predicted MW: 42.4 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional

chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: NP 005922

Locus ID: 4277



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UniProt ID: Q29980, X6R344

RefSeq Size: 2385 Cytogenetics: 6p21.33 RefSeq ORF: 1149

Synonyms: PERB11.2

Summary: This gene encodes a heavily glycosylated protein which is a ligand for the NKG2D type II

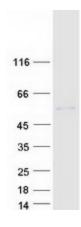
> receptor. Binding of the ligand activates the cytolytic response of natural killer (NK) cells, CD8 alphabeta T cells, and gammadelta T cells which express the receptor. This protein is stressinduced and is similar to MHC class I molecules; however, it does not associate with beta-2microglobulin or bind peptides. Alternative splicing results in multiple transcript variants.

[provided by RefSeq, Jan 2014]

Protein Families: Druggable Genome

Natural killer cell mediated cytotoxicity **Protein Pathways:**

Product images:



Coomassie blue staining of purified MICB protein (Cat# [TP322315]). The protein was produced from HEK293T cells transfected with MICB cDNA clone (Cat# [RC222315]) using MegaTran 2.0 (Cat# [TT210002]).