

Product datasheet for **TP322315**

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), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC222315 representing NM_005931 Red =Cloning site Green =Tags(s)

MGLGRVLLFLAVAFPFAPPAAPAAAEPHSLRYNLMVLSQDGSVQSGFLAEGHLDGQPFLRYDRQKRRRAKPQG
QWAEDVLGAETWDTETEDLTENGQDLRRTLTHIKDQKGGHLHSLQEIRVCEIHEDSSTRGRSRHFYDGLF
LSQNLETQESTVPQSSRAQTLAMNVTNFWKEDAMKTKTHYRAMQADCLQKLQRYLKSGVAIRRTVPPMVN
VTCSEVSEGNITVTCRASSFYPRNITLWRQDGVLSHNTQQWGDVLPDGNQTYQTTWATRIRQGEEQRF
TCYMEHSGNHGTHPVPSGKALVLQSQRTDFPVSAAMPFCVVIIIILCVPCCKKTSAAEGPELVSLQVLD
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:	<u>NP_005922</u>
Locus ID:	4277



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UniProt ID: [Q29980](#), [X6R344](#)

RefSeq Size: 2385

Cytogenetics: 6p21.33

RefSeq ORF: 1149

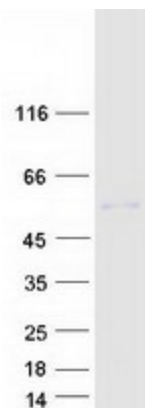
Synonyms: PERB11.2

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 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]

Protein Families: Druggable Genome

Protein Pathways: Natural killer cell mediated cytotoxicity

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]).