

Product datasheet for TP304447M

MICA (NM_000247) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human MHC class I polypeptide-related sequence A (MICA), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC204447 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MGLGPVFLLLAGIFFAPPAAAAEPHSLRYNLTVLSWDGVSQSGFLTEVHLDGQPFLRCDRQKCRAPQG
QWAEDVLGNKTWDRETRDLTGNGKDLRMTLAHIKDQKEGLHSLQEIRVCEIHEDNSTRSSQHFFYDGELF
LSQNLETEEWTMPQSSRAQTLAMNVRNFLKEDAMKTKTHYHAMHADCLQELRRYLKSGVLRRTVPPMVN
VTRSEASEGNITVTCRASGFYPWNITLSWRQDGVSLSHDTQQWGDVLPDNGTYQTWWATRICQGEEQRF
TCYMEHSGNHSTHPVPSGKVLVLQSHWQTFHVSAAAAAIFVIIIIFYVRCCKKTSAAEGPELVSLQVLD
QHPVGTSDHRDATQLGFQPLMSDLGSTGSTEQT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	40.7 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_000238
Locus ID:	100507436



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UniProt ID: [Q29983](#)

RefSeq Size: 1410

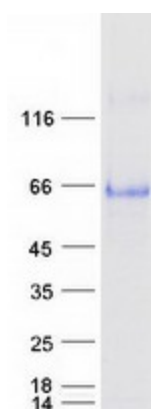
Cytogenetics: 6p21.33

RefSeq ORF: 1149

Synonyms: MIC-A; PERB11.1

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]

Product images:



Coomassie blue staining of purified MICA protein (Cat# [TP304447]). The protein was produced from HEK293T cells transfected with MICA cDNA clone (Cat# [RC204447]) using MegaTran 2.0 (Cat# [TT210002]).