

Product datasheet for TP329900

MICA (NM_001177519) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Purified recombinant protein of Homo sapiens MHC class I polypeptide-related sequence A (MICA), transcript variant 1 (allele MICA*00801), 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC229900 representing NM_001177519
Red=Cloning site Green=Tags(s)

MGLGPFVLLLAGIFPFAPPGAAAEPHSLRYNLTVLSWDGVSQSGFLAEVHLDGQPFLRYDRQKCRAPQG
QWAEDVLGNKTWDRETRDLTGNGKDLRMTLAHIKDQKEGLHSLQEIHVCEIHEDNSTRSSQHFYYDGELF
LSQNLETEEWTPQSSRAQTLAMNVRNFLKEDAMKTKTHYHAMHADCLQELRRYLESGLVLRRTVPPMVN
VTRSEASEGNITVTCRASSFYPRNIILTWRQDGVLSLHDTQQWGDVLPDGNQTYQTWVATRICRGEEQRF
TCYMEHSGNHSTHPVPSGKVLVLQSHWQTFHVSAVAAGCCYFCYYYFLCPLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 38.3

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: NULL or Add: Recombinant proteins 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_001170990](#)

Locus ID: 100507436



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UniProt ID: [Q96QC4](#)

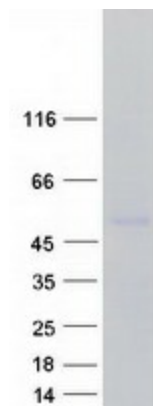
Cytogenetics: 6p21.33

RefSeq ORF: 996

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# TP329900). The protein was produced from HEK293T cells transfected with MICA cDNA clone (Cat# [RC229900]) using MegaTran 2.0 (Cat# [TT210002]).