

Product datasheet for TP329900M

MICA (NM_001177519) Human Recombinant Protein

Product data:

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|---------------------------------------|---|
| 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), 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC229900 representing NM_001177519 Red=Cloning site Green=Tags(s) |
| | MGLGPFVLLLAGIFPFAPPGAAAEPHSLRYNLTVLSWDGVSQSGFLAEVHLDGQPFLRYDRQKCRAPQG QWAEDVLGNKTWDRETRDLTGNGKDLRMTLAHIKDQKEGLHSLQEIRVCEIHEDNSTRSSQHFYYDGELF LSQNLETEEWTPQSSRAQTLAMNVRNFLKEDAMKTKTHYHAMHADCLQELRRYLESGLVLRRTVPPMVN VTRSEASEGNITVTCRASSFYPRNIILTWRQDGVLSLHDTQQWGDVLPDGNQTYQTWWATRIRGEEQRF 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](#)

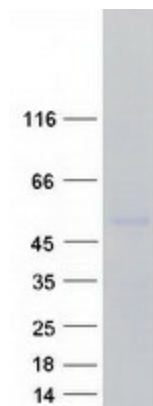
Cytogenetics: 6p21.33

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]).