

## Recombinant Human MICA Protein, Fc-tagged

Cat. No. MICA-1232H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human MICA protein, fused to Fc tag at C-terminus, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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].
<b>Form</b>	Lyophilized from a 0.2 M filtered solution of PBS, pH 7.4
<b>Molecular Mass</b>	59.9kD
<b>Purity</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

freeze-thaw cycles.

**Concentration**

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## GENE INFORMATION

**Gene Name** MICA MHC class I polypeptide-related sequence A [ Homo sapiens ]

**Official Symbol** MICA

**Synonyms** MIC-A; PERB11.1

**Gene ID** 100507436

**mRNA Refseq** NM\_000247

**Protein Refseq** NP\_000238

**MIM** 600169

**UniProt ID** Q29983

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