

## Active Recombinant Human MICA protein, Fc-tagged

Cat. No. MICA-0494H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human MICA protein(Glu24-Gln308), fused with Fc tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	24-308 a.a.
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
<b>Bio-activity</b>	Immobilized Human NKG2D, His Tag at 2 µg/mL (100 µL/well) can bind Human MICA, Fc Tag with a linear range of 0.5-2 ng/mL. Immobilized Human MICA, Fc Tag at 1 µg/mL (100 µL/well) can bind Human NKG2D, Mouse IgG2a Fc Tag with a linear range of 0.6-20 ng/mL.
<b>Molecular Mass</b>	This protein carries a human IgG1 Fc tag at the C-terminus.The protein has a calculated MW of 59.3 kDa. The protein migrates as 70-90 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Proteinlength</b>	Glu24-Gln308
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.

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<b>Purity</b>	>95% as determined by SDS-PAGE.
<b>Storage</b>	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

<b>Gene Name</b>	MICA MHC class I polypeptide-related sequence A [ Homo sapiens ]
<b>Official Symbol</b>	MICA
<b>Synonyms</b>	MICA; MHC class I polypeptide-related sequence A; PERB11.1; HLA class I antigen; stress inducible class I homolog; MHC class I chain-related protein A; MIC-A; FLJ36918; FLJ60820; MGC21250; MGC111087;
<b>Gene ID</b>	100507436
<b>mRNA Refseq</b>	NM_000247
<b>Protein Refseq</b>	NP_000238
<b>MIM</b>	600169
<b>UniProt ID</b>	Q29983

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