

# Human MICA\*010:01:06 Protein

Cat. No. MIC-HM102

## Description

<b>Source</b>	Recombinant Human MICA*010:01:06 Protein is expressed from HEK293 with His tag at the C-terminus. It contains Glu24-Thr309.
<b>Accession</b>	G1JTE6
<b>Molecular Weight</b>	The protein has a predicted MW of 34.57 kDa. Due to glycosylation, the protein migrates to 55-70 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	>95% as determined by Bis-Tris PAGE >90% as determined by HPLC

## Formulation and Storage

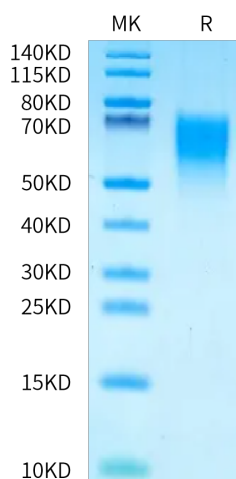
<b>Formulation</b>	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

MICA (MHC class I chain-related gene A) is a transmembrane glycoprotein that functions as a ligand for human NKG2D. A closely related protein, MICB, shares 85% amino acid identity with MICA. These proteins are distantly related to the MHC class I proteins. They possess three extracellular Iglike domains, but they have no capacity to bind peptide or interact with beta 2-microglobulin..

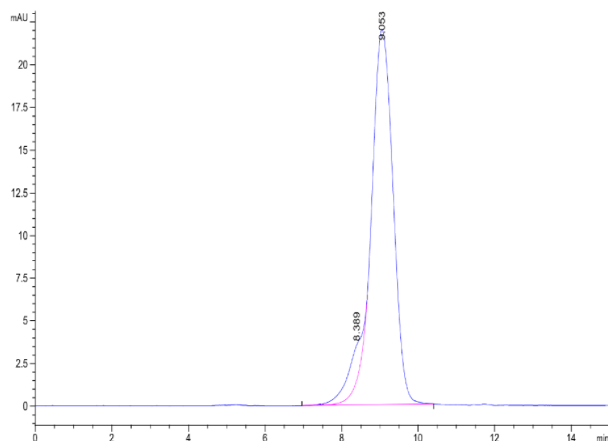
## Assay Data

### Bis-Tris PAGE



Human MICA\*010:01:06 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



The purity of Human MICA\*010:01:06 is greater than 90% as determined by SEC-HPLC.