

Human MICA*010:01:06 Protein, Ultra Low Endotoxin



Cat. No. MIC-HM102-UL

Description

Source	Recombinant Human MICA*010:01:06 Protein is expressed from HEK293 with His tag at the C-terminus. It contains Glu24-Thr309.
Accession	G1JTE6
Molecular Weight	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.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 90% as determined by HPLC

Formulation and Storage

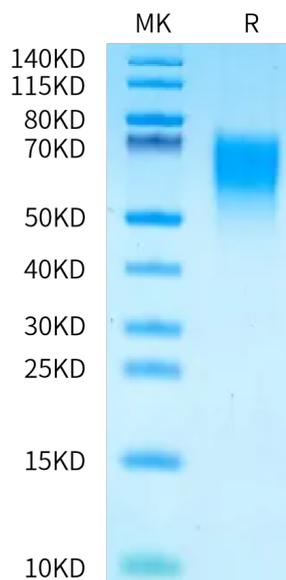
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. 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

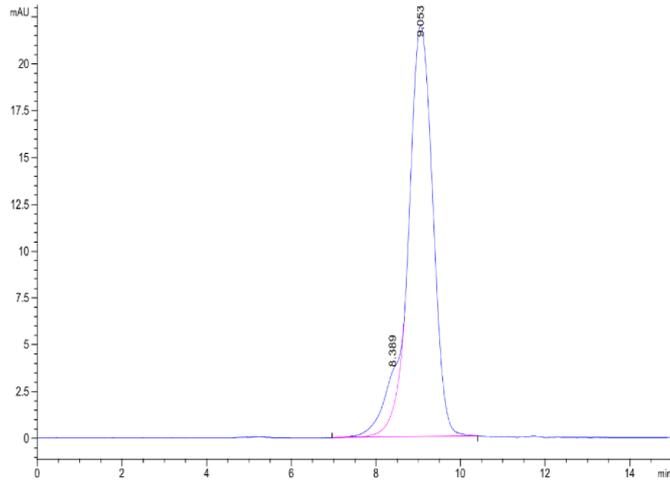
Bis-Tris PAGE



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

SEC-HPLC

Assay Data



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