

Human Siglec-8 Protein, Ultra Low Endotoxin



Cat. No. SIG-HM408-UL

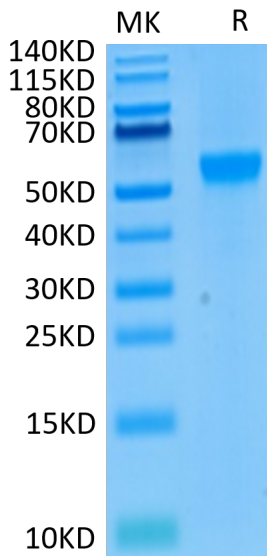
Description	
Source	Recombinant Human Siglec-8 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Met17-Ala363.
Accession	Q9NYZ4
Molecular Weight	The protein has a predicted MW of 40.7 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage	
Formulation	Lyophilized from 0.22µm 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	
Siglec-8, also known as SAF, is an approximately 75 kDa transmembrane glycoprotein in the Siglec family of sialic acid-binding immune regulatory molecules. Mature human Siglec-8 consists of a 347 amino acid (aa) extracellular domain (ECD) with three Ig-like domains.Putative adhesion molecule that mediates sialic-acid dependent binding to red blood cells. Preferentially binds to alpha-2,3-linked sialic acid. Also binds to alpha-2,6-linked sialic acid.	

Assay Data

Bis-Tris PAGE



Human Siglec-8 on Bis-Tris PAGE under reduced conditions. The purity is greater than 95%.