

# Human Siglec-5/CD170 Protein

Cat. No. SIG-HM405

## Description

<b>Source</b>	Recombinant Human Siglec-5/CD170 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Glu17-Thr434.
<b>Accession</b>	O15389
<b>Molecular Weight</b>	The protein has a predicted MW of 49.3 kDa. Due to glycosylation, the protein migrates to 68-78 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

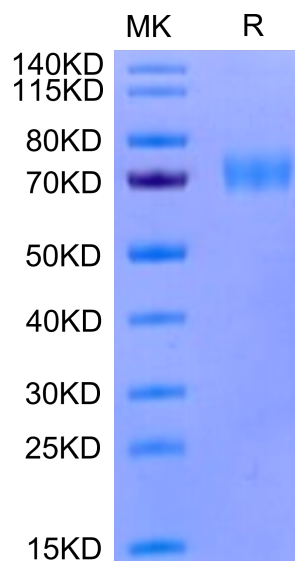
<b>Formulation</b>	Supplied as 0.22 $\mu\text{m}$ filtered solution in PBS, 360mM NaCl (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Siglecs (sialic acid binding Ig-like lectins) are I-type (Ig-type) lectins belonging to the Ig superfamily. They are characterized by an N-terminal Ig-like V-type domain which mediates sialic acid binding, followed by varying numbers of Ig-like C2-type domains. Siglec 5 is putative adhesion molecule that mediates sialic-acid dependent binding to cells. Binds equally to alpha-2,3-linked and alpha-2,6-linked sialic acid. The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface.

## Assay Data

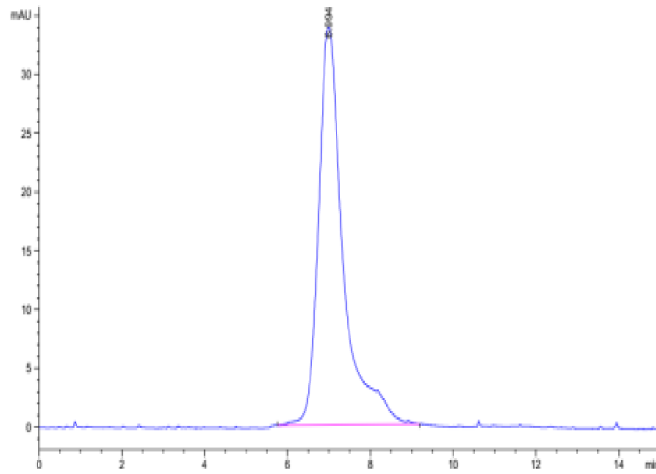
### Bis-Tris PAGE



Human Siglec-5 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

Assay Data



The purity of Human Siglec-5 is greater than 95% as determined by SEC-HPLC.