

## Recombinant Human SIGLEC5 Protein (His &Flag &Fc)

**Catalog Number:** PKSH033530

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

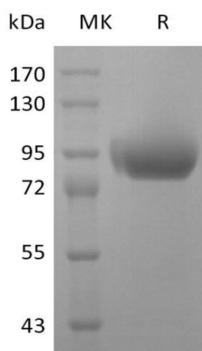
### Description

<b>Species</b>	Human
<b>Source</b>	HEK293 Cells-derived Human SIGLEC5 protein Glu17-Thr434, with an C-terminal His & Flag & Fc
<b>Calculated MW</b>	74.1 kDa
<b>Observed MW</b>	90-110 kDa
<b>Accession</b>	O15389
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
	Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

#### For Research Use Only

Human Siglec-5 are I type(Igtype) 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. SIGLEC5 has also been designated CD170; they are expressed by monocytic or myeloid lineage cells; and also found at high levels in peripheral blood leukocytes; spleen; bone marrow and at lower levels in lymph node; lung; appendix; placenta; pancreas and thymus. SIGLEC5 are expressed by monocytes and neutrophils but absent from leukemic cell lines representing early stages of myelomonocytic differentiation. Siglec5 to 11 share a high degree of sequence similarity with CD33/Siglec3 both in their extracellular and intracellular regions. They are collectively referred to as CD33 related Siglecs. One remarkable feature of the CD33 related Siglecs is their differential expression pattern within the hematopoietic system This fact; together with the presence of two conserved immunoreceptor tyrosinebased inhibition motifs (ITIMs) in their cytoplasmic tails; suggests that CD33 related Siglecs are involved in the regulation of cellular activation within the immune system.

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