

Recombinant Human SIGLEC5 Protein (His & Flag & Fc)



Catalog Number:PKSH033530

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

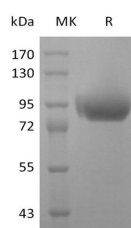
Description

Synonyms	Sialic acid-binding Ig-like lectin 5;Siglec-5;CD33 antigen-like 2;Obesity-binding protein 2;OB-BP2;CD170;CD33L2;OB-BP2;OBBP;OBBP2;SIGLEC-5;SIGLEC5
Species	Human
Expression Host	HEK293 Cells
Sequence	Glu17-Thr434
Accession	O15389
Calculated Molecular Weight	74.1 kDa
Observed molecular weight	90-110 kDa
Tag	C-His-Flag-Fc

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Human Siglec-5 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. 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

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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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