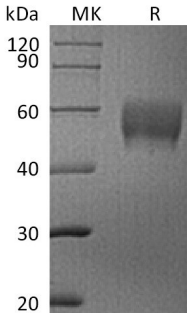
Product Name: Recombinant Human Siglec-7 (C-6His)
Catalog #: PHH2081

Summary

Name	Siglec-7/CD328
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Sialic Acid-binding Ig-like Lectin 7 is produced by our Mammalian expression system and the target gene encoding Gln19-Leu353 is expressed with a 6His tag at the C-terminus.
Accession #	Q9Y286
Host	Human Cells
Species	Human
Predicted Molecular Mass	37.8 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image



Background

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Alternative Names	siglec-7; AIRM1; AIRM-1; AIRM1QA79 membrane protein; CD328 antigen; CD328; CDw328; D-siglec; p75; p75/AIRM1; QA79; sialic acid binding Ig-like lectin 7; sialic acid-binding Ig-like lectin 7; Siglec7; Siglec-7
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. Eleven human Siglecs have been cloned and characterized. Human Siglec-7 encodes a 467 amino acid (aa) polypeptide with a hydrophobic signal peptide, an N-terminal Ig-like V-type domain, two Ig-like C2-type domains, a transmembrane region and a cytoplasmic tail. Siglec-7 exists as a monomer on the cell surface and is expressed on natural killer cells, CD8+ T cells and monocytes. It binds equally well to both alpha 2,3- and alpha 2,6-linked sialic acid. The gene encoding Siglec-7 was mapped to chromosome 19q13.3.

Note

For Research Use Only , Not for Diagnostic Use.