Active Recombinant Human SIGLEC7 protein, Fc-tagged

Cat. No. SIGLEC7-0689H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SIGLEC7 protein(Gln19-Leu353), fused with Fc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	19-353 a.a.
Form	Lyophilized from 0.22 μm filtered solution in 25 mM MES, 150 mM NaCl. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human Siglec-7, Fc (L118A, G120A, E201A) Tag at 5 μg/mL (100 μL/well) can bind Neu5Aca2-6GalNAca-PAA-biotin with a linear range of 0.02-0.313 ng/mL.
Molecular Mass	This protein carries a Fc (L118A, G120A, E201A) tag at the C-terminus. The protein has a calculated MW of 63.3 kDa. The protein migrates as 70-90 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. Mutations (L118A, G120A, E201A /EU number: L235A/G237A/E318A) in human immunoglobulin G1 (hIgG1) Fc strongly reduce binding of the Fc mutant to cell expressed FcγRs, resulting in an almost 4-fold reduction in ADCC compared to that of wild type human IgG1.
Proteinlength	Gln19-Leu353

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Endotoxin	Less than 0.01 EU per μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.>90% as determined by SEC-MALS.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	SIGLEC7 sialic acid binding Ig-like lectin 7 [Homo sapiens]
Official Symbol	SIGLEC7
Synonyms	SIGLEC7; sialic acid binding Ig-like lectin 7; sialic acid-binding Ig-like lectin 7; CD328; p75/AIRM1; QA79; SIGLEC 7; AIRM-1; QA79 membrane protein; sialic acid binding immunoglobulin-like lectin 7; adhesion inhibitory receptor molecule 1, siglec-7; p75; AIRM1; CDw328; D-siglec; SIGLEC-7;
Gene ID	27036
mRNA Refseq	NM_014385
Protein Refseq	NP_055200
MIM	604410
UniProt ID	Q9Y286

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