

Active Recombinant Human SIGLEC7 protein, His-Avi-tagged, Biotinylated

Cat. No. SIGLEC7-0690H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human SIGLEC7 protein(Gln19-Leu353), fused with His and Avi 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, pH5.5. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Biotinylated Human Siglec-7, His,Avitag immobilized on CM5 Chip can bind Neu5Aca2-6GalNAca-PAA-biotin with an affinity constant of 29.2 nM as determined in a SPR assay (Biacore 8K).
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag).The protein has a calculated MW of 40.5 kDa. The protein migrates as 55-65 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Gln19-Leu353
Endotoxin	Less than 1.0 EU per µg by the LAL method.

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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.
Conjugation	Biotin

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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