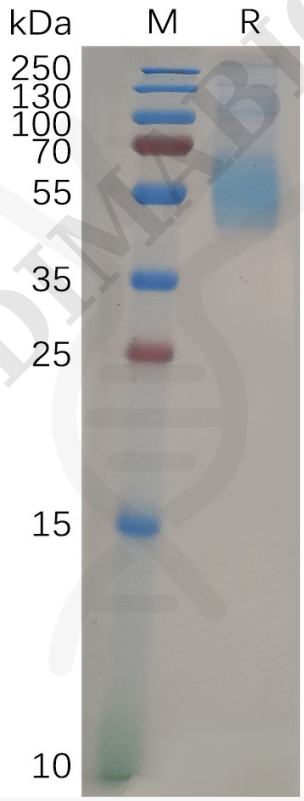
Human SIGLEC7 Protein, His Tag

Cat. No. PME100645

PRODUCT INFORMATION

Target	SIGLEC7
Synonyms	AIRM-1;AIRM1;CD328;CDw328;D-siglec;p75;p75/AIRM1;QA79;SIGLEC-7;SIGLEC19P;SIGLECP2
Description	Recombinant human SIGLEC7 protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	Q9Y286
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	SIGLEC7(Gln19-Leu353) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 38.6 kDa after removal of the signal peptide. The apparent molecular mass of SIGLEC7-His is approximately 55-70 kDa due to glycosylation.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	Putative adhesion molecule that mediates sialic-acid dependent binding to cells. Preferentially binds to alpha-2,3- and alpha-2,6-linked sialic acid. Also binds disialogangliosides (disialogalactosyl globoside, disialyl lactotetraosylceramide and disialyl GalNAc lactotetraoslylceramide). The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface. In the immune response, may act as an inhibitory receptor upon ligand induced tyrosine phosphorylation by recruiting cytoplasmic phosphatase(s) via their SH2 domain(s) that block signal transduction through dephosphorylation of signaling molecules. Mediates inhibition of natural killer cells cytotoxicity. May play a role in hemopoiesis. Inhibits differentiation of CD34 cell precursors towards myelomonocytic cell lineage and proliferation of leukemic myeloid cells (in vitro).[UniProtKB/Swiss-Prot Function]
Usage	Research use only
Conjugate	Unconjugated



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Figure 1. Human SIGLEC7 Protein, His Tag on SDS-PAGE under reducing condition.

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