HUMAN SIGLEC7 PROTEIN, HIS TAG

Cat.#: 11441
Product Name: Human SIGLEC7 Protein
Size : 10 μg, 50 μg and 100 μg
Synonyms: AIRM-1;AIRM1;CD328;CDw328;D-siglec;p75;p75/AIRM1;QA79;SIGLEC-7;SIGLEC19P;SIGLECP2
Target: SIGLEC7
UNIPROT ID: Q9Y286
Description: Recombinant human SIGLEC7 protein with C-terminal 6xHis tag
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]
Species/Host: HEK293
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.
Molecular Characterization: SIGLEC7(Gln19-Leu353) 6×His tag
Purity: The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.
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.

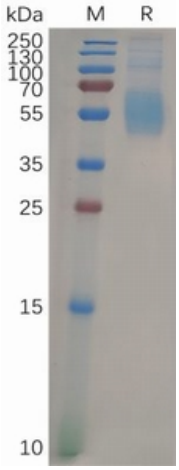

Figure 1. Human SIGLEC7 Protein, His Tag on SDS-PAGE under reducing condition.

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