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Datasheet for ABIN7092801 **SIGLEC7 Protein (His tag)**

Overview

Quantity:	100 µg
Target:	SIGLEC7
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SIGLEC7 protein is labelled with His tag.

Product Details

Purpose:	Recombinant human SIGLEC7 protein with C-terminal 6xHis tag
Specificity:	SIGLEC7 (Gln19-Leu353) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	affinity purification
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	SIGLEC7
Alternative Name:	SIGLEC7 (SIGLEC7 Products)
Background:	Synonyms: AIRM-1 Description: 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

Target Details

(disialogalactosyl globoside, disialyl lactotetraosylceramide and disialyl GalNAc lactotetraosylceramide). 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]

Molecular Weight: predicted molecular mass of 38.6 kDa after removal of the signal peptide. The apparent molecular mass of SIGLEC7-His is 55-70 kDa due to glycosylation.

UniProt: [Q9Y286](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute with deionized water

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: 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.

Expiry Date: 12 months