Siglec-15 Protein, Human (HEK293, His)

Cat. No.:	HY-P72475
Synonyms:	Sialic acid-binding Ig-like lectin 15; Siglec-15; CD33 antigen-like 3; CD33L3
Species:	Human
Source:	HEK293
Accession:	Q6ZMC9 (F20-T263)
Gene ID:	284266
Molecular Weight:	30-40 kDa

PROPERTIES

AA Sequence	F V R T K I D T T E N L L N T E V H S S P A Q R W S M Q V P P E V S A E A G D A A V L P C T F T H P H R H Y D G P L T A I W R A G E P Y A G P Q V F R C A A A R G S E L C Q T A L S L H G R F R L L G N P R R N D L S L R V E R L A L A D D R R Y F C R V E F A G D V H D R Y E S R H G V R L H V T A A P R I V N I S V L P S P A H A F R A L C T A E G E P P P A L A W S G P A L G N S L A A V R S P R E G H G H L V T A E L P A L T H D G R Y T C T A A N S L G R S E A S V Y L F R F H G A S G A S T
Biological Activity	Immobilized Human Siglec-15-His at 2 μg/mL (100 μl/well) can bind Anti-Human Siglec15 mAb-mFC, The ED_{50} is 18.5 μg/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, 150 mM NaCl, 0.3% CHAPS, 5% Trehalose, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The Siglec-15 Protein plays a crucial role in cellular interactions by selectively binding to sialylated glycoproteins, indicating a specific affinity for molecules with sialic acid residues. Additionally, Siglec-15 engages in molecular associations with TYROBP and HCST, suggesting its involvement in intricate signaling pathways. This ability to interact with key signaling partners underscores Siglec-15's potential significance in mediating immune responses and cellular communication. The

specific recognition of sialylated glycoproteins highlights the protein's role in recognizing and responding to cell surface modifications, contributing to the complex network of cellular interactions.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA