

Product datasheet for **TP727891**

SIGLEC15 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Siglec-15 (C-Fc)
Species:	Human
Expression cDNA Clone or AA Sequence:	Phe20-Thr263
Tag:	C-Fc
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS,150mMNaCl,0.3%chaps,5% Trehalose,pH 7.4.
Note:	Recombinant Human Sialic Acid-binding Ig-like lectin 15 is produced by our Mammalian expression system and the target gene encoding Phe20-Thr263 is expressed with a Fc tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	284266
UniProt ID:	Q6ZMC9
Summary:	Human Siglec-15 is a transmembrane glycoprotein in the Siglec family. Siglecs are type I transmembrane proteins where the NH ₃ ⁺ -terminus is in the extracellular space and the COO ⁻ -terminus is cytosolic. Each Siglec contains an N-terminal V-type immunoglobulin domain (Ig domain) which acts as the binding receptor for sialic acid. These lectins are placed into the group of I-type lectins because the lectin domain is an immunoglobulin fold. All Siglecs are extended from the cell surface by C2-type Ig domains which have no binding activity. Siglecs differ in the number of these C2-type domains. Human Siglec-15 consists of a 244 amino acid (aa) extracellular domain (ECD) with two Ig-like domains, a 21 aa transmembrane segment, and a 44 aa cytoplasmic domain. Siglec-15 function is important for osteoclast formation and TRANCE/RANK Ligand signaling in osteoclasts



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