Datasheet for ABIN7505713

SIGLEC15 Protein (AA 1-263) (His tag)

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Overview

Quantity:	100 µg
Target:	SIGLEC15
Protein Characteristics:	AA 1-263
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SIGLEC15 protein is labelled with His tag.

Product Details

Sequence:	Met1-Thr263
Characteristics:	A DNA sequence encoding the Human SIGLEC15 protein (Q6ZMC9) (Met1-Thr263) was expressed with a C-His.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	SIGLEC15
Alternative Name:	SIGLEC15 (SIGLEC15 Products)
Background:	Abbreviation: SIGLEC15 Target Synonym: Angiopoietin-related protein 4,425O18-1,Angiopoietin-like protein 4,Fasting-induced adipose factor,Hepatic fibrinogen/angiopoietin-related protein,HFARP,Secreted protein Bk89,Angptl4,Farp,Fiaf,Ng27

Target Details

	Background: Human Siglec-15 is a transmembrane glycoprotein in the Siglec family. Siglecs are type I transmembrane proteins where the NH3+-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.
Molecular Weight:	Calculated MW: 28.82 kDa Observed MW: 35 kDa
UniProt:	Q6ZMC9

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	12 months