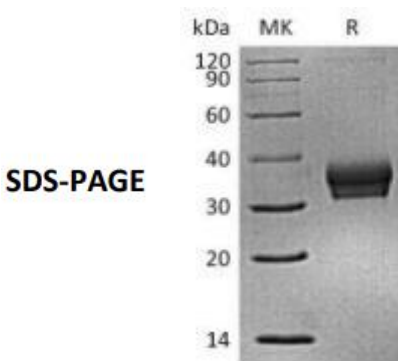


## Recombinant Mouse Siglec-15

Catalog#:P00629    Derived from Human Cells

<b>DESCRIPTION</b>	<p>Recombinant Mouse Sialic Acid-binding Ig-like Lectin 15 is produced by our Mammalian expression system and the target gene encoding Arg24-Thr262 is expressed with a 6His tag at the C-terminus.</p> <p><b>Accession#:</b> A7E1W8</p> <p><b>Known as:</b> Sialic acid-binding Ig-like lectin 15; Siglec-15; CD33 antigen-like 3; CD33L3</p>
<b>FORMULATION</b>	Lyophilized from a 0.2µm filtered solution of PBS, 150mM NaCl, 5% Thehalose, 0.3% Chaps, pH 7.4.
<b>SHIPPING</b>	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
<b>STORAGE</b>	<p>Lyophilized protein should be stored at ≤-20°C, stable for one year after receipt.</p> <p>Reconstituted protein solution can be stored at 2-8°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at ≤-20°C for 3 months.</p>
<b>RECONSTITUTION</b>	<p><i>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</i></p> <p><i>It is not recommended to reconstitute to a concentration less than 100µg/ml.</i></p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
<b>QUALITY CONTROL</b>	<p><b>Mol Mass:</b>26.5kDa    <b>AP Mol Mass:</b>30-40kDa, reducing conditions.</p> <p><b>Purity:</b> Greater than 95% as determined by reducing SDS-PAGE.</p> <p><b>Endotoxin:</b> Less than 0.1ng/µg (1 EU/µg) as determined by LAL test.</p>
<b>BACKGROUND</b>	<p>Human Siglec-15 is a transmembrane glycoprotein in the Siglec family. Siglecs are type I transmembrane proteins where the NH<sub>3</sub><sup>+</sup>-terminus is in the extracellular space and the COO<sup>-</sup>-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.</p>
 <p><b>SDS-PAGE</b></p> <p>kDa    MK    R</p> <p>120</p> <p>90</p> <p>60</p> <p>40</p> <p>30</p> <p>20</p> <p>14</p>	