

## Product datasheet for **TP726655**

### SIGLEC8 Human Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant Human Siglec-8 (C-mFc)
<b>Species:</b>	Human
<b>Expression cDNA Clone or AA Sequence:</b>	Met17-Ala363
<b>Tag:</b>	C-mFc
<b>Buffer:</b>	Lyophilized from a 0.2 um filtered solution of PBS,pH7.4.
<b>Note:</b>	Recombinant Human Sialic Acid-binding Ig-like Lectin 8 is produced by our Mammalian expression system and the target gene encoding Met17-Ala363 is expressed with a mFc tag at the C-terminus.
<b>Storage:</b>	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Stability:</b>	12 months from date of despatch
<b>Locus ID:</b>	27181
<b>UniProt ID:</b>	<a href="#">Q9NYZ4</a>
<b>Synonyms:</b>	Siglec8; Siglec-8; SAF2; SAF2SAF-2; SAF-2; CD329 antigen; CDw329
<b>Summary:</b>	Siglec-8 is also known as SIGLEC8, SAF2, SIGLEC-8, SIGLEC8L and sialic acid binding Ig like lectin 8, is an approximately 75 kDa transmembrane glycoprotein in the Siglec family of sialic acid-binding immune regulatory molecules. Siglec-8 is expressed on eosinophils, basophils, and mast cells, and it shows a binding preference for the carbohydrate 6-O sulfated sLex. At the tissue level, Siglec-8 mRNA was found to be most highly expressed in lung, PBMCs, spleen, and kidney. Mature human Siglec-8 consists of a 347 amino acid (aa) extracellular domain (ECD) with three Ig-like domains, a 21 aa transmembrane segment, and a 115 aa cytoplasmic domain with two tyrosine based signaling motifs. Alternative splicing generates additional isoforms that either lack most of the second Ig-like domain or have a substituted cytoplasmic domain without the signaling motifs. Cross-linking of Siglec-8 inhibits Fc epsilon RI alpha induced mast cell degranulation. It also induces eosinophil apoptosis, an effect which is enhanced by the eosinophil-activating cytokines IL-5, IL-33, and GM-CSF.



[View online »](#)

**Protein Families:** Druggable Genome, Transmembrane