

## Product datasheet for **TP726061**

### SIGLEC8 Human Recombinant Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Recombinant Human Siglec-8 (C-His)  |
| Species:                              | Human   |
| Expression cDNA Clone or AA Sequence: | Met17-Ala363  |
| Tag:                                  | C-6His  |
| Buffer:                               | Supplied as a 0.2 um filtered solution of PBS, pH7.4  |
| Note:                                 | 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 6His tag at the C-terminus.   |
| Stability:                            | 12 months from date of despatch   |
| Locus ID:                             | 27181   |
| UniProt ID:                           | <a href="#">Q9NYZ4</a>  |
| Summary:                              | 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. |



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