

Recombinant Human SIGLEC8 protein, His-tagged

Cat. No. SIGLEC8-772H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SIGLEC8 (Met17-Ala363) protein was fused to His-tag at C-terminus and expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	Met17-Ala363
Description	Siglec-8 is also known as SIGLEC8, SAF2, SIGLEC-8, SIGLEC8L and sialic acid binding Ig like lectin 8. Siglec-8 was first identified by CD33 homology screening of ESTs from a cDNA library generated from a patient diagnosed with idiopathic hypereosinophilic syndrome and was originally termed SAF-2 (sialoadhesin family 2). At the tissue level, Siglec-8 mRNA was found to be most highly expressed in lung, PBMCs, spleen, and kidney. Two splice variants of Siglec-8 exist. The initially characterized form contains 431 amino acid residues in total, subsequently, a longer form of Siglec-8, initially termed Siglec-8L. Both forms of Siglec-8 are found in eosinophils and contain a V-set domain with lectin activity and two C2-type Ig repeat domains in the extracellular region.
Predicted N Terminal	Met17
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 39.7 kDa. The protein migrates as 50-55 kDa

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	under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	SIGLEC8
Official Symbol	SIGLEC8
Synonyms	SIGLEC8; sialic acid binding Ig-like lectin 8; sialic acid-binding Ig-like lectin 8; MGC59785; SAF2; SIGLEC 8; SIGLEC8L; SAF-2; CDw329; sialoadhesin family member 2; SIGLEC-8
Gene ID	27181
mRNA Refseq	NM_014442
Protein Refseq	NP_055257

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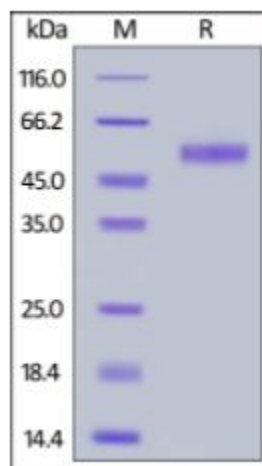
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MIM 605639

UniProt ID Q9NYZ4

**SDS-PAGE of
SIGLEC8-772H**



Human Siglec-8, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

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