

## HUMAN SIGLEC5 PROTEIN, HIS TAG

**Cat.#:** 11882

**Product Name:** Human SIGLEC5 Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** CD33L2;CD170;OB-BP2;OBBP2;SIGLEC-5

**Target:** SIGLEC5

**UNIPROT ID:** O15389

**Description:** Recombinant Human SIGLEC5 Protein with C-terminal 6xHis tag

**Background:** This gene encodes a member of the sialic acid-binding immunoglobulin-like lectin (Siglec) family. These cell surface lectins are characterized by structural motifs in the immunoglobulin (Ig)-like domains and sialic acid recognition sites in the first Ig V set domain. The encoded protein is a member of the CD33-related subset of Siglecs and inhibits the activation of several cell types including monocytes, macrophages and neutrophils. Binding of group B Streptococcus (GBS) to the encoded protein plays a role in GBS immune evasion. [provided by RefSeq, Feb 2012]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 47.2 kDa after removal of the signal peptide. The apparent molecular mass of SIGLEC5-His is approximately 55-100 kDa due to glycosylation.

**Molecular Characterization:** SIGLEC5(Glu17-Thr434) 6×His tag

**Purity:** The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.



Figure 1. Human SIGLEC5 Protein, His Tag on SDS-PAGE under reducing condition.