

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.

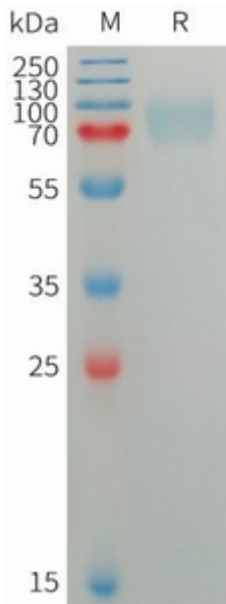


Figure 1. Human SIGLEC5 Protein, His Tag on SDS-PAGE under reducing condition.