

Product Description

Pioneering GTPase and Oncogene Product Development since 2010

CYNOMOLGUS SELPLG PROTEIN, HIS TAG

Cat.#: 12122

Product Name: Cynomolgus SELPLG Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: PSGL-1;SGL1;D162;electin P ligand

Target: SELPLG

UNIPROTID: A0A7N9CVJ8

Description: Recombinant Cynomolgus SELPLG protein with C-terminal

6xHis tag

Background: This gene encodes a glycoprotein that functions as a high affinity counter-receptor for the cell adhesion molecules P-, E- and L-selectin expressed on myeloid cells and stimulated T lymphocytes. As such, this protein plays a critical role in leukocyte trafficking during inflammation by tethering of leukocytes to activated platelets or endothelia expressing selectins. This protein requires two post-translational modifications, tyrosine sulfation and the addition of the sialyl Lewis x tetrasaccharide (sLex) to its O-linked glycans, for its high-affinity binding activity. Aberrant expression of this gene and polymorphisms in this gene are associated with defects in the innate and adaptive immune response. Alternate splicing results in multiple transcript variants.

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 34.3 kDa after removal of the signal peptide.

Molecular Characterization: SELPLG(Leu34-Cys356) 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.



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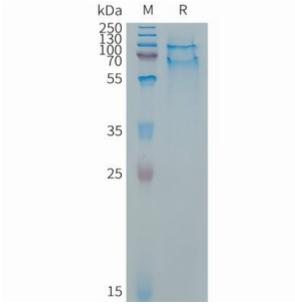


Figure 1. Cynomolgus SELPLG Protein, His Tag on SDS-PAGE under reducing condition.