

PSGL-1/CD162 Protein, Cynomolgus, Recombinant (His)

General Information

Synonyms:	PSGL-1;CD162;SELPLG;PSGL1;Selectin P ligand;Selpl;CLA;Selp1
Protein Construction:	Leu34-Cys356
Species:	Cynomolgus
Expression Host:	HEK293 Cells
Accession:	A0A7N9CVJ8
Molecular Weight:	34.57 kDa (predicted). Due to glycosylation, the protein migrates to 72-82 kDa based on Tris-Bis PAGE result.

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS (pH 7.4). Typically, 8% trehalose is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

P-selectin glycoprotein ligand-1 (PSGL-1) has long been studied as an adhesion molecule involved in immune cell trafficking and is recognized as a regulator of many facets of immune responses by myeloid cells. PSGL-1 also regulates T cell migration during homeostasis and inflammatory settings.

Reference

Tinoco R, et al. PSGL-1: A New Player in the Immune Checkpoint Landscape. Trends Immunol. 2017 May;38(5):323-335. doi: 10.1016/j.it.2017.02.002. Epub 2017 Mar 2. PMID: 28262471; PMCID: PMC5411281.

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