

# Human P-Selectin/CD62P, C-His Tag (ECD) Protein

## HA210931



<b>Product name:</b>	Human P-Selectin/CD62P, C-His Tag (ECD)
<b>Species reactivity:</b>	Human
<b>Bio-Activity:</b>	Testing in progress.
<b>Protein construction description:</b>	A DNA sequence encoding the human P-Selectin/CD62P protein (P16109) (Trp 42-Ala 771) was expressed with a His tag at the C-terminus

**Background:** P-selectin is a type-1 transmembrane protein that in humans is encoded by the SELP gene. P-selectin functions as a cell adhesion molecule (CAM) on the surfaces of activated endothelial cells, which line the inner surface of blood vessels, and activated platelets. In unactivated endothelial cells, it is stored in granules called Weibel-Palade bodies. In unactivated platelets P-selectin is stored in  $\alpha$ -granules. Other names for P-selectin include CD62P, Granule Membrane Protein 140 (GMP-140), and Platelet Activation-Dependent Granule to External Membrane Protein (PADGEM). It was first identified in endothelial cells in 1989.

**Purity:** >95% as determined by SDS-PAGE.

**Endotoxin:** Less than 1.0 EU per  $\mu$ g by the LAL method.

**Fragment region:** P-Selectin/CD62P (42-771)

**Source:** HEK293

**Accession:** P16109

**Predicted molecular mass:** 81.3 kD

**Formulation:** Lyophilized from a 0.2  $\mu$ m filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.

**Reconstitution:** Reconstitute at 250  $\mu$ g/ml in sterile water.

**Storage:** Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.

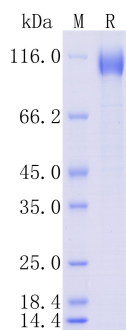
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**Fig1:** Protein on SDS-PAGE under reducing (R) condition.

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