

Recombinant Rhesus SELP Protein, C-His-tagged

Product Information

Cat	IMP-4903
Official Symbol	SELP
Product Overview	Recombinant rhesus SELP (XP_001094728.1) (Met1-Ala771) was expressed with a polyhistidine tag at the C-terminus.
Description	<i>P selectin (SELP) is a 140kDa protein that is stored in the alpha-granules of platelets and Weibel-Palade bodies of endothelial cells. SELP mediates rapid rolling of leukocyte rolling over vascular surfaces during the initial steps in inflammation through interaction with PSGL1. P selectin is a cell adhesion molecule on the surface of activated endothelial cells. Cellular adhesion molecules are a large family of proteins that attach the cytoskeleton and intracellular signaling cascades with the extracellular environment. SELP is a calcium-dependent receptor for myeloid cells that binds to sialylated forms of Lewis blood group carbohydrate antigens on neutrophils and monocytes. This protein redistributes to the plasma membrane during platelet activation and degranulation and mediates the interaction of activated endothelial cells or platelets with leukocytes.</i>
Expression System	HEK293
Species	Rhesus
Tag	C-His
Predicted N Terminal	Trp 42
Form	Lyophilized from sterile PBS, pH 7.4, 5 % trehalose, 5% mannitol and 0.01% Tween80.
Molecular Mass	The recombinant rhesus SELP comprises 741 amino acids and has a calculated molecular mass of 81.2 KDa.
Protein length	Met1-Ala771
Endotoxin	< 1.0 EU/μg of the protein as determined by the LAL method
Purity	> 85 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
SDS-PAGE	

