

Recombinant PLA2R1 antigen

Product overview

Catalog number	C-40-0047
Description	Recombinant human Phospholipase A2 Receptor 1 (PLA2R1) antigen with His tag. Predicted molecular weight: ~160 kDa.
Product host	HEK293 cells
Product formulation	Liquid
Product buffer solution	10 mM PBS, pH 7.4, 0.8 % NaCl, 0.02% KCl.
Shelf life and storage	3 years, storage at -70 °C or below. Repeated freeze/thaw cycles should be avoided.
Analyte description	PLA2R1 (phospholipase A2 receptor 1) also called muscle (M-) type PLA2R or secretory (s) PLA2R is a 180-200 kDa type I transmembrane glycoprotein that is a member of subgroup VI of the C-type lectin superfamily. The 1487 amino acid (aa) mouse PLA2R1 contains a 26 aa signal sequence, a 1370 aa ECD, a 21 aa transmembrane sequence, and a 70 aa cytoplasmic domain with an endocytosis motif. It is reported that 70% -80% of patients with primary membranous nephropathy have circulating autoantibodies against PLA2R. PLA2R is mainly divided into two types (M type and N type), and it has been confirmed that M type PLA2R is the main target antigen of autoantibodies.
Product concentration	N/A
Purity	SDS-PAGE
Antibodies tested	C-40-0050 Anti-h PLA2R1 IgG1 control, + C-40-0051 Anti-h PLA2R1 IgG4 control, +
Miscellaneous	N/A



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