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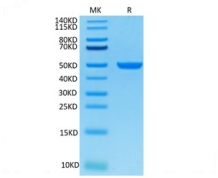
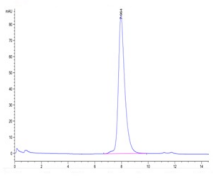
Recombinant Cyn. monkey FcRn protein, C-His-Avi (HEK293), Biotin conjugated

Catalog Number:	bs-47095P-Bio
Concentration:	＞0.5 mg/ml
AA Seq:	1-297/365 & 1-119/365
Predicted MW:	46.5
Detected MW:	Due to glycosylation, the protein migrates to 48-50 kDa based on Tris-Bis PAGE result.
Tags:	C-His-Avi
Activity:	Not tested
Endotoxin:	<1.0 EU/μg as determined by LAL
Purity:	>95% as determined by Tris-Bis PAGE; >95% as determined by SEC-HPLC
Purification:	AC
Storage:	Lyophilized from 0.22um filtered solution in PBS (pH7.4) with 5mM DTT. Normally 5% trehalose is added as protectant before Lyophilization. Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.
Background:	FcRN present in the intestinal epithelium of neonatal mice and rats mediates the selective uptake of immunoglobulin G (IgG) in mothers' milk, thereby helping newborn animals to acquire passive immunity. FcRn (also designated FCGRT, Brambell receptor, FcRn å chain, IgG Gc receptor and neonatal Fc-receptor) is comprised of a heavy chain and ∫-2-Microglobulin. FcRn heavy chain shows approximately 35% amino acid identity to an MHC class I molecule. FcRN localizes in endosomes of vascular endothelial cells and selectively recycles IgG to the cell surface, thus protecting IgG from lysosomal catabolism. This protection mechanism is a major constituent for ensuring IgG are the longest lived of all plasma proteins.

VALIDATION IMAGES



Recombinant FcRn on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of FcRn is greater than 95% as determined by SEC-HPLC.