CREATIVE BIOMART®
Immune Checkpoints

Recombinant Cynomolgus CD28 Protein, C-hFc-tagged

Product Information

Cat	*IMP-1607*
Official Symbol	*CD28*
Product Overview	*Recombinant cynomolgus CD28 [(Identical to the rhesus CD28 (NP_001036106.2)] (Met1-Pro152) was expressed with the Fc region of human IgG1 at the C-terminus.*
Description	*CD28 (Cluster of Differentiation 28) is a disulphide-bonded glycoprotein belonging to the immunoglobulin (Ig) superfamily, and structurally consists of a single Ig V-like extracellular domain, a transmembrane domain and an intracellular domain. Mouse CD28 is constitutively expressed on the surface of all murine T cells and on developing thymocytes as disulfide-linked homodimers or as monomers. CD28 can binds the B7-1 and B7-2 ligand, and together perform important functions in the T and B cell response pathways. B7/CD28 family members, which can augment or antagonize T-cell receptor signaling, in the regulation of central and peripheral T-cell tolerance. CD28 is thus involved in T-cell activation, the induction of cell proliferation and cytokine production and promotion of T-cell survival.*
Expression System	*HEK293*
Species	*Cynomolgus*
Tag	*C-hFc*
Predicted N Terminal	*Asn 19*
Form	*Lyophilized from sterile PBS, pH 7.4, 5 % trehalose, 5% mannitol and 0.01% Tween80.*
Molecular Mass	*The recombinant cynomolgus CD28 consists 372 amino acids and predicts a molecular mass of 41.9 kDa.*
Protein length	*Met1-Pro152*
Endotoxin	*< 1.0 EU/μg protein as determined by the LAL method.*
Purity	*> 90 % 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.*

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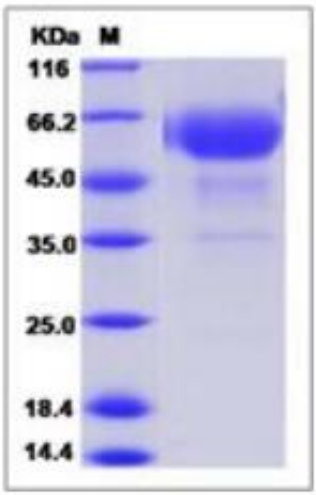
SDS-PAGE



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