Recombinant Mouse CD55 Protein (Asp35-Pro359), C-6×His-tagged

Product Information

Cat	*IMP-10330*
Official Symbol	*Cd55*
Product Overview	*Recombinant Mouse CD55/DAF protein (Asp35-Pro359) with a C-terminal Asp-Ile and 6×His tag was expressed in Mouse myeloma cell line.*
Description	*This gene encodes a glycoprotein involved in the regulation of the complement cascade. Binding of the encoded protein to complement proteins accelerates their decay, thereby disrupting the cascade and preventing damage to host cells. Antigens present on this protein constitute the Cromer blood group system (CROM). Alternative splicing results in multiple transcript variants. The predominant transcript variant encodes a membrane-bound protein, but alternatively spliced transcripts may produce soluble proteins.*
Expression System	*Mouse myeloma cell line*
Species	*Mouse*
Tag	*C-6×His*
Predicted N Terminal	*Asp35*
Form	*Lyophilized from a 0.2 μm filtered solution in PBS.*
Molecular Mass	*Predicted Molecular Mass: 36.6 kDa SDS-PAGE: 50-65 kDa, reducing conditions*
Protein length	*Asp35-Pro359*
Bio-activity	*Measured by its binding ability in a functional ELISA. When rmCD55 is immobilized at 0.5 μg/mL, 100 μL/well, the concentration of rmCD97 that produces 50% of the optimal binding response is found to be approximately 0.15-0.5 μg/mL.*
Endotoxin	
Purity	*>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.*
Storage	*Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.*
Reconstitution	*Reconstitute at 100 μg/mL in sterile PBS.*

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