

Active Recombinant Human CD47 Protein, LIgG2b Fc-tagged, low endotoxin

Cat. No. CD47-347H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD47 Protein, LIgG2b Fc-tagged, low endotoxin is expressed from human 293 cells (HEK293). It contains AA Gln 19 - Pro 139 (Accession # Q08722-3). Predicted N-terminus: Gln 19. This protein carries a llama IgG2b Fc tag at the C-terminus. The protein has a calculated MW of 41.6 kDa. The protein migrates as 60-70 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Species	Human
Source	HEK293
ProteinLength	Gln 19 - Pro 139
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human SIRP alpha, His Tag at 0.5 µg/mL (100 µL/well) can bind Recombinant Human CD47 Protein, LIgG2b Fc-tagged, low endotoxin with a linear range of 0.1-8 ng/mL (QC tested).
Molecular Mass	41.6 kDa
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.

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Notes	Please avoid repeated freeze-thaw cycles.
Stability	No activity loss is observed after storage at: 4-8 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	CD47 CD47 molecule [Homo sapiens]
Official Symbol	CD47
Synonyms	CD47; CD47 molecule; CD47 glycoprotein; IAP; OA3; Rh related antigen; Rh-related antigen; MER6;
Gene ID	961
mRNA Refseq	NM_001777
Protein Refseq	NP_001768
MIM	601028
UniProt ID	Q08722

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