

Active Recombinant Mouse CD47 protein, His-tagged

Cat. No. CD47-382M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CD47 protein(Q61735-1)(Gln19-Lys140) is expressed from HEK293 with His tag at the C-terminal.
Species	Mouse
Source	HEK293
ProteinLength	Gln19-Lys140
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
Bio-activity	Mouse SIRP alpha, His Tag immobilized on CM5 Chip can bind Mouse CD47, His Tag with an affinity constant of 1.33 µM as determined in SPR assay (Biacore T200).
Molecular Mass	The protein has a predicted MW of 14.9 kDa. Due to glycosylation, the protein migrates to 35-50 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution.

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2-8°C for 2-7 days after reconstitution.

Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid freeze-thaw cycles.

Reconstitution

Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.

GENE INFORMATION

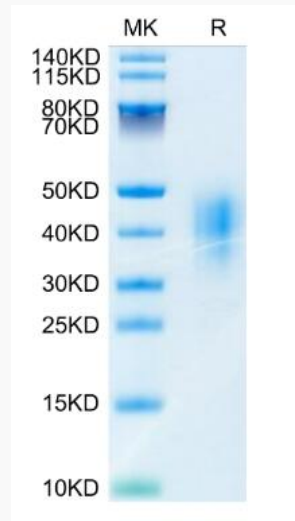
Gene Name	Cd47 CD47 antigen (Rh-related antigen, integrin-associated signal transducer) [Mus musculus]
Official Symbol	CD47
Synonyms	CD47 glycoprotein; CD47 molecule; CD47; IAP; OA3; MER6
Gene ID	16423
mRNA Refseq	NM_010581
Protein Refseq	NP_034711
UniProt ID	Q61735

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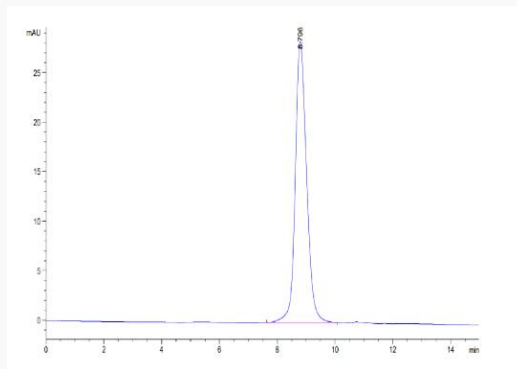
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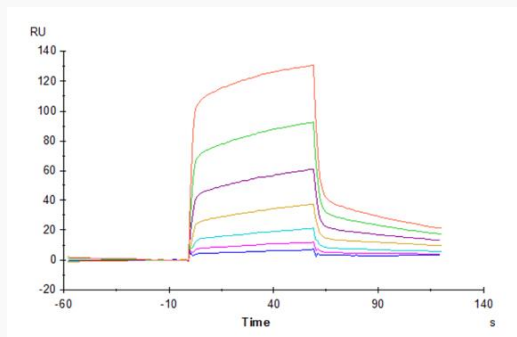
Tris-Bis PAGE



SEC-HPLC



SPR Data



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