

Recombinant Mouse Cd47 protein, His-tagged

Cat. No. Cd47-647M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cd47(Met1-Lys140) fused with His tag at C-terminal was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Lys140
Predicted N Terminal	Gln 19
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.
Molecular Mass	The recombinant mouse CD47 consists of 133 amino acids and predicts a molecular mass of 15.3 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade. Avoid repeated freeze-thaw cycles.

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Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.
Reconstitution	Detailed reconstitution instructions are sent along with the products.
GENE INFORMATION	
Gene Name	Cd47 CD47 antigen (Rh-related antigen, integrin-associated signal transducer) [Mus musculus]
Official Symbol	Cd47
Synonyms	CD47; CD47 antigen (Rh-related antigen, integrin-associated signal transducer); leukocyte surface antigen CD47; Rh-related antigen; integrin-associated protein; IAP; Itgp; AA407862; AI848868; AW108519; 9130415E20Rik; B430305P08Rik;
Gene ID	16423
mRNA Refseq	NM_010581
Protein Refseq	NP_034711
MIM	
UniProt ID	Q61735
Chromosome Location	16; 16 B5
Pathway	Cell surface interactions at the vascular wall, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem; ECM-receptor interaction, organism-

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specific biosystem; ECM-receptor interaction, conserved biosystem; Hemostasis, organism-specific biosystem; Signal regulatory protein (SIRP) family interactions, organism-specific biosystem;

Function

protein binding; thrombospondin receptor activity;

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