

## Recombinant Human CD47 Protein, DYKDDDDK-tagged

Cat. No. CD47-151H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CD47 molecule(CD47), transcript variant 1(NM_001777), with a DYKDDDDK tag, was expressed in human cells.
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>Description</b>	This gene encodes a membrane protein, which is involved in the increase in intracellular calcium concentration that occurs upon cell adhesion to extracellular matrix. The encoded protein is also a receptor for the C-terminal cell binding domain of thrombospondin, and it may play a role in membrane transport and signal transduction. This gene has broad tissue distribution, and is reduced in expression on Rh erythrocytes. Alternatively spliced transcript variants have been found for this gene.
<b>Form</b>	Purified protein formulated in a sterile solution of TBS buffer, pH7.152, without any preservatives.
<b>Molecular Mass</b>	33.4 kDa
<b>Endotoxin</b>	Endotoxin level is < 0.1 ng/g of protein (<1EU /g)
<b>Purity</b>	>90% by SDS-PAGE gel and Coomassie Blue staining
<b>Applications</b>	Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and

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protein-protein interaction studies.

## GENE INFORMATION

**Gene Name** [CD47 CD47 molecule \[ Homo sapiens \]](#)

**Official Symbol** [CD47](#)

**Synonyms** CD47; CD47 molecule; CD47 antigen (Rh related antigen, integrin associated signal transducer) , MER6; leukocyte surface antigen CD47; antigen identified by monoclonal 1D8; antigenic surface determinant protein OA3; CD47 glycoprotein; IAP; integrin associated protein; OA3; Rh related antigen; Rh-related antigen; integrin-associated protein; integrin-associated signal transducer; CD47 antigen (Rh-related antigen, integrin-associated signal transducer); MER6;

**Gene ID** [961](#)

**mRNA Refseq** [NM\\_001777](#)

**Protein Refseq** [NP\\_001768](#)

**MIM** [601028](#)

**UniProt ID** [Q08722](#)

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