

Recombinant Full Length Human CD47 Protein

Cat. No. CD47-2993HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human CD47 full-length ORF (NP_001768.1) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	99 amino acids
Description	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. [provided by RefSeq, Jul 2010]
Form	Liquid
Molecular Mass	35.2 kDa
AA Sequence	MWPLVAALLLGSACCGSAQLLFNKTKSVEFTFCNDTVVIPCFTVNMEAQNTTEVYVK WKFKGRDIYTFDGLNKGSTVPTDFSSAKIEVSQLLKGDASLKMDKSDAVSHTGNYTC EVTREGETIIEELKYRVVSWFSPNENILIVIFPIFAILLFWGQFGIKTLKYRSGGMDE KTIALLVAGLVITVIVIVGAILFVPGEYSLKNATGLGLIVTSTGILILLHYVVFSTAIGLTSF VAILVIQVIAYILAVVGLSLCIAACIPMHGPLLISGLSILALAQLLGLVYMKFVASNQKTI

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QPPRKAVEEPLNAFKESKGMNDE

Applications
 Antibody Production
 Functional Study
 Compound Screening

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 25 mM Tris-HCl of pH8.0 containing 2% glycerol.

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](#)

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UniProt ID

Q08722

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