

Recombinant Full Length Human CD47 Protein, GST-tagged

Cat. No. CD47-2996HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CD47 full-length ORF (NP_001768.1, 1 a.a. - 323 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	323 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]
Molecular Mass	61.60 kDa
AA Sequence	MWPLVAALLLGSACCGSAQLLFNKTKSVEFTFCNDTVVIPCFTVNMEAQNTTEVYVK WKFKGRDIYTFDGA LNKSTVPTDFSSAKIEVSQLLKGDASLKMDKSDAVSHTGNYTC EVTELTREGETIIE LKYRVVSWFSPNENILIVIFPIFAILLFWGQFGIKTLKYRSGGMDE KTIALLVAGLVITVIVIVGAILFVPGEYSLKNATGLGLIVTSTGILILLHYVVFSTAIGLTSTF VIAILVIQVIAYILAVVGLSLCIAACIPMHGPLLISGLSILALAQLLGLVYMKFVASNQKTI QPPRKAVEEPLNAFKESKGMMNDE

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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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