

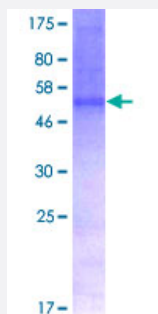
Full-Length

CD47 (Human) Recombinant Protein (P02)

Catalog # H00000961-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CD47 full-length ORF (NP_001768.1, 1 a.a. - 323 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MWPLVAALLLGSACCGSAQLLFNKTGSVEFTFCNDTVVPCFVTNMEAQNTTEVYVKWFKGRDI
YTFDGLNKSSTVPTDFSSAKIEVSQLLKGDASLKMDKSDAVSHTGNYTCEVTELTREGETIIEIKYR
VVSWFSPNENILVIFPIFAILLFWGQFGIKTLKYRSGGMDEKTIALLVAGLVITVIVGAILFVPGEYSL
KNATGLGLIVTSTGILLHYVVFSTAIGLTSFVAILVIQVIAIYLA VVGLSLCIAACIPMHGPLLISGLSILA
LAQLLGLVYMKFVASNQKTIQPPRKAVEEPLNAFKESKGMNDE

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

61.60

Interspecies Antigen Sequence

Mouse (66); Rat (70)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CD47

Entrez GeneID[961](#)**GeneBank Accession#**[NM_001777.3](#)**Protein Accession#**[NP_001768.1](#)**Gene Name**

CD47

Gene Alias

IAP, MER6, OA3

Gene Description

CD47 molecule

Omim ID[601028](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. Four alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq]

Other Designations

CD47 antigen|CD47 antigen (Rh-related antigen, integrin-associated signal transducer)|CD47 glycoprotein|Rh-related antigen|antigen identified by monoclonal antibody 1D8|antigenic surface determinant protein OA3|integrin associated protein|integrin-associated

Pathway

- [ECM-receptor interaction](#)