

Proteoliposomes

Full-Length

CD47 (Human) Recombinant Protein

Catalog # H00000961-G01

Size 2 ug

Specification

Product Description

Human CD47 full-length ORF (NP_001768.1) recombinant protein without tag.
This product is belong to Proteoliposome (PL).

Sequence

MWPLVAALLLGSACCGSAQLLFNKTKEVEFTFCNDTVVIPCFVTNMEAQNTTEVYVKWKFKGRDI
YTFD GALNKSTVPTDFSSAKIEVSQLLKGDASLKMDKSDAVSHTGNYTCEVTELTREGETIIELEKYR
VVSWFSPNENILMIFPIFAILLFWGQFGIKTLKYRSGGMDEKTIALLVAGLVITVIVGAILFVPGEYSL
KNATGLGLVTSTGILILLHYVVFSTAIGLTSFVIALVIQVIAYLAVVGLSLCIAACIPMHGPLLISGLSILA
LAQLLGLVYMKFVASNQKTIQPPRKAVEEPLNAFKESKGMMNDE

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

35.2

Interspecies Antigen Sequence

Mouse (66); Rat (70)

Form

Liquid

Preparation Method

[in vitro wheat germ expression system with proprietary liposome technology](#)

Purification

None

Recommend Usage

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Storage Buffer

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

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

- Antibody Production

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](#)