

# Product Information

## NativeExtract™ Human CD47 Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX437**

This product is for research use only and is not intended for diagnostic use.

This product is recombinant Human CD47 protein in native nanodisc form. The synthetic compound we developed can solubilize the CD47 protein from membrane while retaining the native structure.

### Product Specifications

#### Host Species

Human

#### Target Protein

CD47

#### Protein Length

Full length

#### Molecular Weight

35.2 kDa

#### Sequence

Accession # [Q08722](#)

### Product Description

#### Activity

Yes

#### Application

ELISA; SPR Binding Assays; Phage Display Screening; Immunity; Functional Assays

#### Expression Systems

HEK293 expression system

#### Tag

Flag tag at the C-terminus

#### Protein Format

Native Nanodisc

#### Form

Liquid

**Buffer**

20 mM Tris-HCl, 150 mM NaCl, pH 8.0

**Storage**

The product should be stored at -20°C to -80°C.

**Target****Target Protein**

CD47

**Full Name**

CD47 molecule

**Introduction**

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.

**Alternative Names**

CD47; IAP; OA3; MER6; leukocyte surface antigen CD47; 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 signal transducer; CD47 molecule

**Gene ID**

[961](#)

**UniProt ID**

[Q08722](#)