

Bioactive

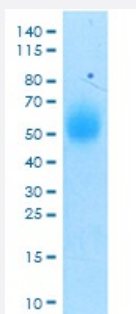
HuPro®

## CD47 (Human) Recombinant Protein

Catalog # P6756

Size 100 ug

### Applications



CD47 (Human) Recombinant Protein (Cat #P6756) was determined by SDS-PAGE with Coomassie Blue, showing a band at 45-60 kDa.

### Result of activity analysis

Result of activity analysis

### Specification

<b>Product Description</b>	Human CD47 (Q08722, 19 a.a. - 139 a.a.) partial recombinant protein with His tag at C-terminus expressed in mammals.
<b>Host</b>	Human
<b>Theoretical MW (kDa)</b>	45-60
<b>Form</b>	Lyophilized
<b>Preparation Method</b>	Mammalian cell (Expi293) expression system
<b>Purification</b>	Ni-sepharose purification
<b>Purity</b>	> 95% by SDS-PAGE

Endotoxin Level	< 0.1 EU/ug
Activity	Immobilized Human CD47, His Tag at 0.5 ug/mL (100 uL/well), dose response curve for Human SIRP alpha, Fc Tag with the EC <sub>50</sub> of 96.15 ng/mL determined by ELISA.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue CD47 (Human) Recombinant Protein (Cat #P6756) was determined by SDS-PAGE with Coomassie Blue, showing a band at 45-60 kDa.
Recommend Usage	SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS, pH 7.4.
Storage Instruction	Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution to a concentration of 0.1-0.5 mg/mL in sterile distilled water, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

## Applications

- SDS-PAGE

## Gene Info — CD47

Entrez GeneID	<a href="#">961</a>
Protein Accession#	<a href="#">Q08722</a>
Gene Name	CD47
Gene Alias	IAP, MER6, OA3
Gene Description	CD47 molecule
Omim ID	<a href="#">601028</a>
Gene Ontology	<a href="#">Hyperlink</a>

**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](#)