

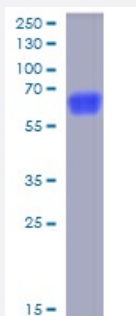
Bioactive

HuPro®

CD47 (Human) Recombinant Protein

Catalog # P6757 Size 100 ug

Applications



CD47 (Human) Recombinant Protein (Cat #P6757) was determined by SDS-PAGE with Coomassie Blue, showing bands at 60 kDa

Result of activity analysis

Result of activity analysis

Specification

Product Description	Human CD47 recombinant protein with Fc and His tag at C-terminus expressed in HEK293 cells.
Host	Human
Theoretical MW (kDa)	60
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Ni-sepharose purification
Purity	> 95% by SDS-PAGE

Activity	ELISA plate pre-coated with 2 ug/mL (100 uL/well) Human CD47, mFc-His labelled protein can bind the native ligand Human SIRP alpha, hFc-His labelled protein in a linear range of 3.3-26.37 ng/mL. ELISA plate pre-coated with 2 ug/mL (100 uL/well) Human CD47, mFc-His labelled protein can bind anti-CD47 in a linear range of 0.061-1.606 ng/mL.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue CD47 (Human) Recombinant Protein (Cat #P6757) was determined by SDS-PAGE with Coomassie Blue, showing bands at 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	961
Protein Accession#	Q08722
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](#)