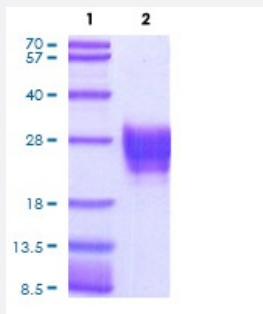


Bioactive

CD47 (Human) Recombinant Protein

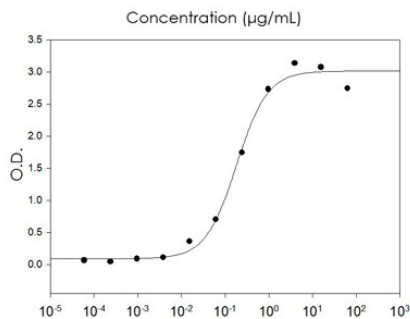
Catalog # P8101 Size 100 ug

Applications



Result of bioactivity analysis

Result of bioactivity analysis



Specification

Product Description

Human CD47 (Q08722, 19 a.a. - 141 a.a.) partial length recombinant protein His tag expressed in B aculovirus expression system.

Sequence

QLLFNKTKSVEFTFCNDTVVIPCFVTNMEAQNTTEVYVKWKFKGRDIYTFDGALNKSTVPTDFSSA
KIEVSQLLKGDASKMDKSDAVSHTGNYTCEVTELTREGETIIEELKYRVVSWFSPNE

Host

Viruses

Theoretical MW (kDa)

14.7

Form

Liquid

Preparation Method	Baculovirus expression system
Purity	> 95% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	Measured by the binding ability in a functional ELISA with Human SIRP gamma/CD172g.
Quality Control Testing	3 ug by SDS-PAGE under reducing condition and visualized by Coomassie blue stain.
Storage Buffer	In Phosphate-Buffer Saline pH 7.4 (10% glycerol)
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis Result of bioactivity analysis

Applications

- Functional Study
- 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	<p>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]</p>

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 protein

Pathway

- [ECM-receptor interaction](#)