

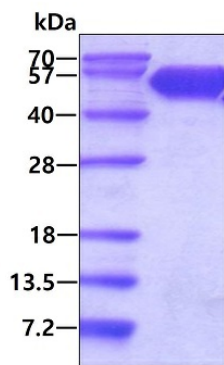
Bioactive

CD47 (Human) Recombinant Protein

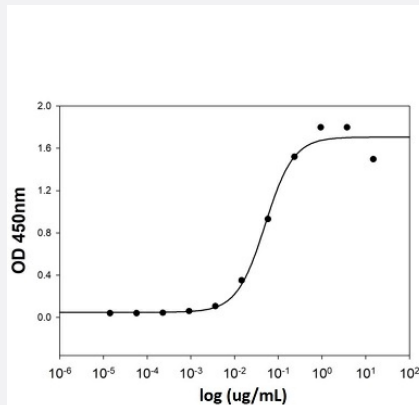
Catalog # P7898

Size 50 ug

Applications



SDS-PAGE analysis of CD47 (Human) Recombinant Protein.



Result of activity analysis

Result of activity analysis

Specification

Product Description

Human CD47 (Q08722, 19 a.a. - 141 a.a.) partial recombinant protein with hlgG-His tag expressed in Baculovirus.

Sequence

QLLFNKTksVEFTFCNDTVVIPCfVTNMEaQNTTEVYKWKfKGRDIYTFdGALNKSTVPTDFSSA
KIEVSQLLKGdASLKMDKSDAVSHTGNYTCEVTELtREGETIIElKYRVVSWFSPNELEPKSCDKT
HTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNA
KTKPREEQYNSTYRVVSVLTVTLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLP
PSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSR
WQQGNVFSCSVMHEALHNHYTQKSLSLSPGKHHHHHHH

Host	Viruses
Theoretical MW (kDa)	40.9
Form	Liquid
Preparation Method	Baculovirus expression system
Purity	> 95% as analyzed by SDS-PAGE.
Endotoxin Level	< 1 EU/ug of protein by the LAL method.
Activity	ED ₅₀ < 100 ng/mL, measured by the binding ability in a functional ELISA with Human SIRP alpha/CD 172a.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue. SDS-PAGE analysis of CD47 (Human) Recombinant Protein.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (10% glycerol)
Storage Instruction	Store at 4°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity 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

Pathway

- [ECM-receptor interaction](#)