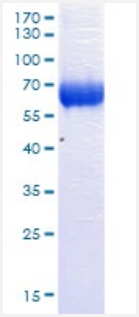
Bioactive HuPro®

CD47 (Human) Recombinant Protein

Catalog # P6755 Size 100 ug

Applications



CD47 (Human) Recombinant Protein (Cat #P6755) was determined by SDS-PAGE with Coomassie Blue, showing a band at 60-70 kDa.

Result of activity analysis

Result of activity analysis

Specification

Product Description	Human CD47 (NP_001768.1, 19 a.a. - 139 a.a.) partial recombinant protein with Fc and His tag at C-terminus expressed in HEK293 cells.
Host	Human
Theoretical MW (kDa)	60-70
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Ni-sepharose purification
Purity	> 97% by SDS-PAGE

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Endotoxin Level	< 0.1 EU/ug
Activity	Measured by the binding ability in a functional ELISA. Immobilized Recombinant Human CD47 at 1 u g/mL (100 uL/well) can bind Recombinant Human SIRP alpha with a linear range of 1-6 ng/mL.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue CD47 (Human) Recombinant Protein (Cat #P6755) was determined by SDS-PAGE with Coomassi e Blue, showing a band at 60-70 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 i s 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

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 memb rane 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 isof orms have been found for this gene. [provided by RefSeq
Other Designations	CD47 antigen|CD47 antigen (Rh-related antigen, integrin-associated signal transducer)|CD47 gly coprotein|Rh-related antigen|antigen identified by monoclonal antibody 1D8|antigenic surface det erminant protein OA3|integrin associated protein|integrin-associa

Pathway

- ECM-receptor interaction

Copyright © 2023 Abnova Corporation. All Rights Reserved.