

CD47 recombinant protein

CD47, 19-141aa, Human, hlgG-His tag, Baculovirus

CATALOG # AAA48923	HOST Baculovirus	APPLICATIONS SDS-Page
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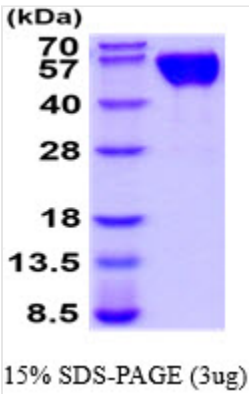
PRODUCT SYNONYMS

CD47; 19-141aa; Human; hlgG-His tag; Baculovirus; Leukocyte surface antigen CD47 isoform 1; IAP; MER6; OA3; CD47 recombinant protein

PRODUCT SPECIFICATIONS

Host	Baculovirus
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In phosphate buffered saline (pH 7.4) containing 10% glycerol.
Concentration	0.5 mg/ml (determined by Absorbance at 280nm) (varies by lot)
Sequence	QLLFNKTKSV EFTFCNDTVV IPCFVTNMEA QNTTEVYVKW KFKGRDIYTF DGALNKSTVP TDFSSAKIEV SQLLKGDASL KMDKSDAVSH TGNYTCEVTE LTREGETIIE LKYRVVSWFS PNELEPKSCD KTHTCPPCPA PELLGGPSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVSNAKALPAP IEKTISKAKG QPREPQVYTL PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNGQPENNY KTTTPVLDSG GSFFLYSKLT VDKSRWQQGN VFSCSVMHEA LHNHYTQKSL SLSPGKHHHH HH
Sequence Length	323
Applicable Applications for CD47 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	hlgG-His-tag
Domain	19-141aa
Endotoxin Level	< 1 EU per 1ug of protein (determined by LAL method)
Preparation and Storage	Can be stored at +2°C to +8°C for one week, For long term storage , aliquot and store at -20°C to -80°C. Avoid repeated freezing thawing cycles.

IMAGES



SDS-PAGE
3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

ADDITIONAL INFORMATION

Related Product Information for CD47 recombinant protein	CD47, also known as leukocyte surface antigen CD47 isoform 1, is a member of immunoglobulin superfamily. It has a role in both cell adhesion by acting as an adhesion receptor for THBS1 on platelets, and in the modulation of integrins. Also, it plays an important role in memory formation and synaptic plasticity in the hippocampus. This protein is a receptor for SIRPA, binding to which prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells. CD47 mediates cell-cell adhesion, enhances super antigen-dependent T-cell-mediated proliferation and co-stimulates T-cell activation. It may play a role in membrane transport and/or integrin dependent signal transduction and prevent premature elimination of red blood cells. Recombinant human CD47, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Product Categories/Family for CD47 recombinant protein	Adhesion & Movement; Immunology
References	Iwamoto C., et al. (2014) Exp. Hematol. 42:163-171.; Wang Y., et al. (2013) Mol. Ther. 21:1919-1929.; Jiang H., et al. (2013) Leuk. Res. 37:907-910.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502673
NCBI GeneID	961
NCBI Accession #	NP_001768
NCBI GenBank Nucleotide #	NM_001777.3
UniProt Accession #	Q08722; Q53Y71; Q96A60; A8K198; D3DN59
Molecular Weight	Predicted: 66.38 kDa
NCBI Official Full Name	leukocyte surface antigen CD47 isoform 1
NCBI Official Synonym Full Names	CD47 molecule
NCBI Official Symbol	CD47
NCBI Official Synonym Symbols	IAP; OA3; MER6
NCBI Protein Information	leukocyte surface antigen CD47
UniProt Protein Name	Leukocyte surface antigen CD47
UniProt Gene Name	CD47
UniProt Synonym Gene Names	MER6; IAP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cd47-recombinant-protein-baculovirus-sds-page/48923>