

## Recombinant Human CD47/IAP Protein (mFc Tag)

Catalog No. PKSH033601

### Description

<b>Synonyms</b>	Leukocyte surface antigen CD47; Antigenic surface determinant protein OA3; Integrin-associated protein; IAP; Protein MER6; CD47; MER6
<b>Species</b>	Human
<b>Expression_host</b>	Human Cells
<b>Sequence</b>	Gln19-Pro139
<b>Accession</b>	Q08722
<b>Mol_Mass</b>	40.3 kDa
<b>AP_Mol_Mass</b>	48-65 kDa
<b>Tag</b>	C-mFc

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Background

CD47(Integrin-Associated Protein,IAP) is a 40?60 kDa variably glycosylated atypical member of the immunoglobulin superfamily. The ubiquitously expressed CD47 binds to SIRP family members on macrophages, neutrophils, and T cells. CD47 is involved in the increase in intracellular calcium concentration that occurs upon cell adhesion to extracellular matrix. The 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 protein has broad tissue distribution, and is reduced in expression on Rh erythrocytes.

## SDS-PAGE

