

Recombinant Human CD47/IAP Protein (mFc Tag)

Catalog Number:PKSH033601



Note: Centrifuge before opening to ensure complete recovery of vial contents.

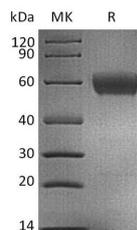
Description

Synonyms	Leukocyte surface antigen CD47, Antigenic surface determinant protein OA3, Integrin-associated protein, IAP, Protein MER6, CD47, MER6
Species	Human
Expression Host	HEK293 Cells
Sequence	Gln19-Pro139
Accession	Q08722
Calculated Molecular Weight	40.3 kDa
Observed molecular weight	48-65 kDa
Tag	C-mFc
Bioactivity	Testing in progress

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

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.

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