

Recombinant Human CD47/IAP Protein (His Tag)

Catalog Number: PKSH033600

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

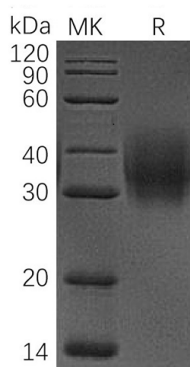
Description

Species	Human
Source	HEK293 Cells-derived Human CD47/IAP protein Gln19-Pro139, with an C-terminal His
Calculated MW	14.8 kDa
Observed MW	30-45 kDa
Accession	Q08722
Bio-activity	Loaded Anti-Human CD47 mAb-Fc on Protein A Biosensor, can bind Human CD47-His with an affinity constant of 0.22 nM as determined in BLI assay.

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 a 0.2 µm filtered solution of 10mM Tris-Citrate, 150mM NaCl, pH 8.0. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 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.

For Research Use Only