

Recombinant Human CD47/IAP Protein

Catalog No	RP00331	Category	Protein
Description	Recombinant Human CD47/IAP Protein is produced by Human Cell expression system. The target protein is expressed with sequence (Gln19-Pro139) of human CD47/IAP (Accession #Q08722) fused with a 6×His tag at the C-terminus.		
Bio-Activity	Measured by its ability to bind Human SIRPA in functional ELISA. The ED ₅₀ for this effect is typically 5-20ng/ml.		

Sequence Information

Species	Human	Gene ID	961
Tags	6×His tag at the C-terminus	Swiss Prot	Q08722
Synonyms	IAP; MER6; OA3		
AA Sequence	QLLFNKTKSVEFTFCNDTVVIPCFTVNMEAQNTTEVYVKWKFGRDIYTFDGALNKSTVP TDFSSAKIEVSQLLKGDASLKMDKSDAVSHTGNYTCEVTELTREGETIIEELKYRVVSWFS P		

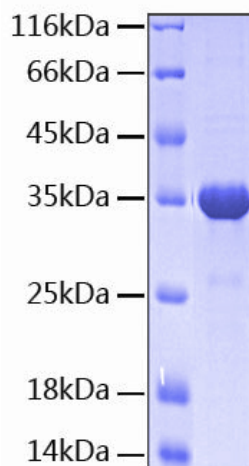
Product information

Source	Human cells
Purity	> 95% by SDS-PAGE.
Endotoxin	< 1 EU/μg of the protein by LAL method.
Formulation	Lyophilized from a 0.2 μm filtered solution of 10 mM Tris-Citrate, 150 mM NaCl, pH 8.0.
Reconstitution	Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.
Storage	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Background

This protein belongs 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 membrane transport and signal transduction. This gene has broad tissue distribution, and is reduced in expression on Rh erythrocytes. Alternatively spliced transcript variants have been found for this gene.

SDS-PAGE



Bioactivity