

SIRP gamma Protein, Human (HEK293, His-Avi)

Cat. No.:	HY-P78521
Synonyms:	CD172g; FLJ42230; SIRP beta 2; SIRP gamma; SIRP-B2; SIRPG; Cripto-1; bA77C3.1; SIRP β 2
Species:	Human
Source:	HEK293
Accession:	Q9P1W8 (E29-P360)
Gene ID:	55423
Molecular Weight:	47-49 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μ m filtered solution of PBS, pH 7.4. Normally 5% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The SIRP gamma protein emerges as a probable immunoglobulin-like cell surface receptor, demonstrating its role in mediating cell-cell adhesion upon binding with CD47. This interaction is pivotal in enhancing antigen-specific T-cell proliferation and providing costimulatory signals for T-cell activation. As a result, SIRP gamma engages with CD47 on antigen-presenting cells, highlighting its involvement in modulating immune responses. The intricate interactions between SIRP gamma and CD47 underscore its significance as a cell surface receptor, playing a crucial role in cellular adhesion and the regulation of T-cell activation pathways.
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Caution: Product has not been fully validated for medical applications. For research use only.

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