

CD81 Protein, Rat (HEK293)

Cat. No.:	HY-P75379
Synonyms:	CD81 antigen; CD81; CVID6; TAPA-1; TSPAN28
Species:	Rat
Source:	HEK293
Accession:	Q62745 (K116-K201)
Gene ID:	25621
Molecular Weight:	Approximately 9.7 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants 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	CD81 is a protein involved in various cellular processes. It plays a role in complement-opsonized particle ingestion, prevents the formation of osteoclasts responsible for bone resorption, and regulates enzymatic activities within cellular compartments. In T cells, CD81 helps control intracellular dNTP levels by localizing and degrading the protein SAMHD1. It is also involved in cell adhesion and motility, particularly in macrophages.
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Caution: Product has not been fully validated for medical applications. For research use only.

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