

CD53 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P75396
Synonyms:	Leukocyte surface antigen CD53; Cell surface glycoprotein CD53; CD53
Species:	Mouse
Source:	HEK293
Accession:	Q61451 (E107-N181)
Gene ID:	12508
Molecular Weight:	Approximately 22 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	CD53 Protein is a crucial component necessary for the efficient formation of myofibers during the regeneration process of muscle, specifically aiding in cell fusion. Additionally, CD53 has been implicated in growth regulation in hematopoietic cells. Furthermore, it interacts with SCIMP, further highlighting its involvement in cellular processes.
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Caution: Product has not been fully validated for medical applications. For research use only.

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