

HEPACAM2 Protein, Rat (HEK293, His)

Cat. No.:	HY-P77379
Synonyms:	HEPACAM family member 2; Mitotic kinetics regulator; MIKI
Species:	Rat
Source:	HEK293
Accession:	B5DEN8 (L33-L350)
Gene ID:	296846
Molecular Weight:	approximately 55-75 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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	HepaCAM, an N-linked glycoprotein encoding a member of the immunoglobulin superfamily, is a tumor suppressor gene that mediates multiple cellular biological functions. HepaCAM may be a novel therapeutic target for inhibiting bladder cancer proliferation through the AKT/FoxO pathway. The HEPACAM2 gene encodes a protein associated with an immunoglobulin superfamily that plays a role in mitosis. Knocking down this gene can lead to prophase cell arrest, abnormal nuclear morphology and apoptosis. The polymerization (ADP-ribosylation) of the encoding protein promotes its translocation to the centrosome, which may stimulate centrosome maturation. Deletion of chromosomes containing this gene may be associated with myeloid leukemia and myelodysplastic syndrome in human patients. HEPACAM2 can be used as a biomarker for the prognosis of colorectal adenocarcinoma ^{[1][2][3]} .
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Caution: Product has not been fully validated for medical applications. For research use only.

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