HEPACAM Protein, Human (HEK293, His)

Cat. No.:	HY-P70838
Synonyms:	Hepatocyte Cell Adhesion Molecule; Protein HepaCAM; HEPACAM
Species:	Human
Source:	HEK293
Accession:	Q14CZ8/NP_689935.2 (V34-S240)
Gene ID:	220296
Molecular Weight:	35-45 kDa

PROPERTIES

AA Sequence	V N I T S P V R L I H G T V G K S A L L S V Q Y S S T S S D R P V V K W Q L K R D K P V T V V Q S I G T E V I G T L R P D Y R D R I R L F E N G S L L L S D L Q L A D E G T Y E V E I S I T D D T F T G E K T I N L T V D V P I S R P Q V L V A S T T V L E L S E A F T L N C S H E N G T K P S Y T W L K D G K P L L N D S R M L L S P D Q K V L T I T R V L M E D D D L Y S C M V E N P I S Q G R S L P V K I T V Y R R S S
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
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 protein emerges as a key regulator in the intricate orchestration of cell motility and interactions with the extracellular matrix. It exhibits the potential to curb cell growth by suppressing proliferation, suggesting a role in maintaining cellular homeostasis. The protein forms homodimers, with dimerization predominantly occurring through cis interactions on the cell surface. Notably, it is integral to a complex that includes MLC1, TRPV4, AQP4, and ATP1B1, highlighting its participation in a network of molecular interactions crucial for various cellular processes. The multifaceted involvement of HEPACAM underscores its significance in the intricate landscape of cellular dynamics and growth regulation.

Caution: Product has not been fully validated for medical applications. For research use only.

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