重组人HEPACAM蛋白

Human HEPACAM (His tag) recombinant protein

目录号 Catalog Number	519783
同用名 Synonyms	Hepatocyte Cell Adhesion Molecule, Protein HepaCAM, HEPACAM
种属 Species	Human
表达系统 Expression System	Human Cells
蛋白编号 Accession	Q14CZ8
基因ID Gene ID	220296

产品信息

性状 Form	冻干粉末 Lyophilized powder
组分 Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
纯度 Purity	>95% as determined by SDS-PAGE.
内毒素 Endotoxin	<1.0 EU per μg protein as determined by the LAL method.
稳定性 Stability	Store for up to 12 months at -20°C to -80°C as lyophilized powder. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
蛋白构建 Protein Construction	A DNA sequence encoding the Human HEPACAM Val34-Ser240 is expressed with a 6His tag at the C-terminus.

保存与运输

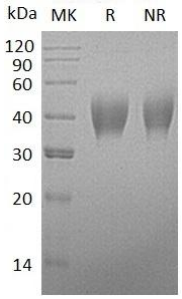
复溶 Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
储存 Storage	Lyophilized protein should be stored at <-20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days.
运输 Shipping	The product is shipped at ambient temperature.

功能描述

研究背景 Background	Hepatocyte Cell Adhesion Molecule (HEPACAM) is a single-pass type I membrane protein that localizes to the cytoplasmic side of the cell membrane. HEPACAM includes a signal sequence (amino acid 1-33), an extracellular region (amino acid 34-240) with one Ig-like C2-type domain and one Ig-like V-type domain, a transmembrane segment (amino acid 241-261), and a cytoplasmic domain (amino acid 262 - 416). The cytoplasmic domain plays an important role in regulation of cell-matrix adhesion and cell motility. HEPACAM acts as a homodimer and dimer formation occurs predominantly through cis interactions on the cell surface. HEPACAM is involved in cell motility and cell-matrix interactions. The expression of this gene is down-regulated or undetectable in many cancer cell lines, so this may be a tumor suppressor gene.

验证数据

SDS-PAGE



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