

Recombinant Human HEPACAM, His-tagged

Cat. No. HEPACAM-101H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Hepatocyte Cell Adhesion Molecule/HEPACAM produced by transfected human cells is a secreted protein with sequence (Val34-Ser240) of Human HEPACAM fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
Protein Length	34-240 a.a.
Description	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.
Form	Lyophilized from a 0.2 µM filtered solution of 20mM PB, 150mM NaCl, pH 7.2
AA Sequence	VNITSPVRLIHGTVGKSALLSVQYSSTSSDRPVVKWQLKRDKPVTVVQSIGTEVIGTL

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RPDYRDR IRLFENGSLLLSDLQLADEGTYEVEISITDDTFTGEKTINLTVDVPISRPQV
 LVASTTVLELSEA FTLNCSHENGTKPSYTWLKDGGKPLLNDSRMLLSPDQKVLITRV
 LMEDDDLYSCMVENPISQGRS LPVKITVYRRSSVDHHHHHHH

Endotoxin	Less than 0.1 ng/μg (1 IEU/μg).
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Storage	Lyophilized protein should be stored at Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name	HEPACAM hepatic and glial cell adhesion molecule [Homo sapiens]
Official Symbol	HEPACAM
Synonyms	HEPACAM; hepatic and glial cell adhesion molecule; hepatocyte cell adhesion molecule; FLJ25530; glial cell adhesion molecule; GLIALCAM; hepaCAM; protein hepaCAM; MLC2A; MLC2B; GlialCAM;
Gene ID	220296
mRNA Refseq	NM_152722
Protein Refseq	NP_689935

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MIM	611642
UniProt ID	Q14CZ8
Chromosome Location	11q24.2

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