

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
ProteinLength	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 IRLFENGSLLLSDLQLADEGTYEVEISITDDTFTGEKTINLTVDPISRQV
 LVASTTVLELSEA FTLNCSHENGTKPSYTWLKDGGKPLLND SRMLLSPDQKVLITRV
 LMEDDDLYSCMVENPISQGRS LPVKITVYRRSSVDHHHHHH

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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