

Specifications:

Gene:	hEPCAM
Accession:	NP_002345
Insert size:	958bp
Concentration:	10µg at 0.2µg/µL

**hEpCAM/TROP1
cDNA Plasmid**

EPCAM epithelial cell adhesion molecule [*Homo sapiens* (human)]

Also known as: ESA; KSA; M4S1; MK-1; DIAR5; EGP-2; EGP40; KS1/4; MIC18; TROP1; EGP314; HNPCC8; TACSTD1

Summary:

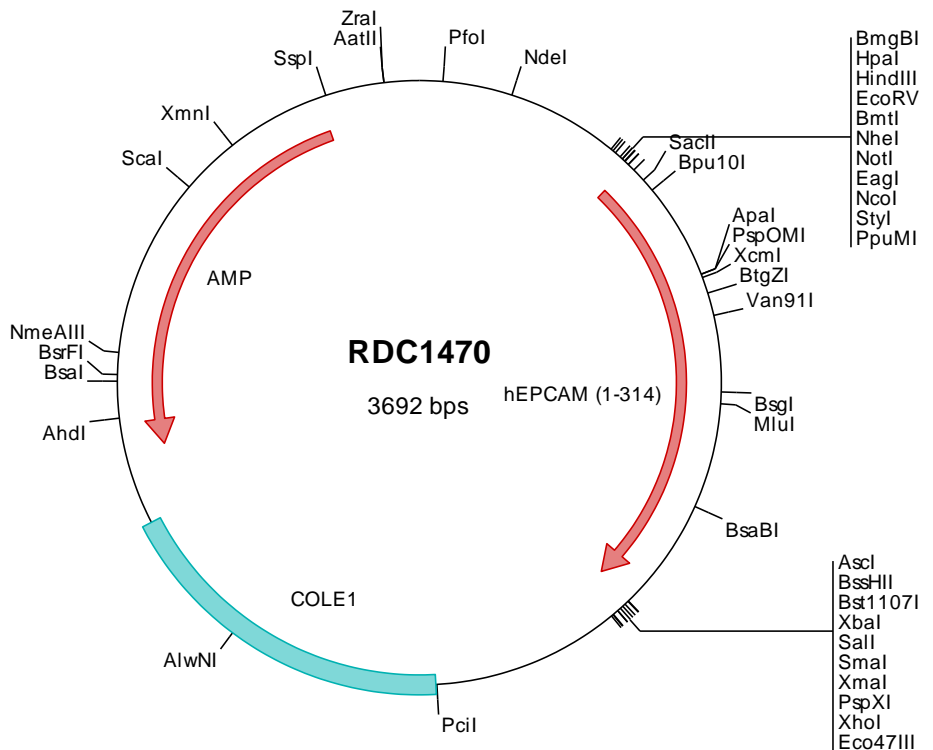
EPCAM is a transmembrane glycoprotein expressed on most normal epithelial cells and gastrointestinal carcinomas and functions as a homotypic calcium-independent cell adhesion molecule. EPCAM may act as a physical homophilic interaction molecule between intestinal epithelial cells (IECs) and intraepithelial lymphocytes (IELs) at the mucosal epithelium for providing immunological barrier as a first line of defense against mucosal infection. EPCAM is being used as a target for immunotherapy treatment of human carcinomas. Mutations in EPCAM result in congenital tufting enteropathy.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1470 Plasmid DNA Sequence

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> RDC1470 Translated Insert Sequence

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