

## Active Recombinant Human EPCAM protein, His-tagged

**Cat. No.** EPCAM-195H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human EPCAM protein(NP_002345.1)(Met1-Lys265), fused with His tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-265 a.a.
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
<b>Bio-activity</b>	Measured by the ability of the immobilized protein to support the adhesion of NIH-3T3 mouse embryonic fibroblast cells. When cells are added to EpCAM-His coated plates (1.25µg/mL, 100µL/well), approximately >40% will adhere specifically after 30 minutes at 37°C.
<b>Molecular Mass</b>	The recombinant human EpCAM consists of 253 amino acids after removal of the signal peptide and has a calculated molecular mass of 28.84 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of human EpCAM is approximately 36.5 kDa due to glycosylation.
<b>Proteinlength</b>	Met1-Lys265

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<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 96 % as determined by SDS-PAGE. ≥ 90 % as determined by SEC-HPLC.
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	EPCAM epithelial cell adhesion molecule [ <i>Homo sapiens</i> ]
<b>Official Symbol</b>	EPCAM
<b>Synonyms</b>	EPCAM; epithelial cell adhesion molecule; antigen identified by monoclonal AUA1 , M4S1, MIC18, TACSTD1, tumor associated calcium signal transducer 1; 17 1A; 323/A3; CD326; CO 17A; EGP 2; EGP34; EGP40; Ep CAM; ESA; GA733 2; HEA125; KS1/4; KSA; Ly74; MH99; MK 1; MOC31; TACST 1; TROP1; epithelial glycoprotein 314; human epithelial glycoprotein-2; cell surface glycoprotein Trop-1; adenocarcinoma-associated antigen; tumor-associated calcium signal transducer 1; major gastrointestinal tumor-associated protein GA733-2; membrane component, chromosome 4, surface marker (35kD glycoprotein); M4S1; MK-1; DIAR5; EGP-2; MIC18; EGP314; HNPCC8; TACSTD1; GA733-2;
<b>Gene ID</b>	4072
<b>mRNA Refseq</b>	NM_002354

**Protein Refseq**

NP\_002345

**MIM**

185535

**UniProt ID**

P16422

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