

Active Recombinant Human EPCAM, Fc-tagged, Biotinylated

Cat. No. EPCAM-571H Lot. No. (See product label)

SPECIFICATION

| | |
|-------------------------|---|
| Product Overview | The recombinant human EPCAM-Fc fusion is expressed as a 470 amino acid protein consisting of Gln24 - Lys265 region of EPCAM (UniProt accession #P16422) and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions. |
| Species | Human |
| Source | Human Cells |
| ProteinLength | 24-265 a.a. |
| Form | Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier and preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule). |
| Bio-activity | Binds anti-EPCAM monoclonal antibodies, human IgG1 and rabbit IgG. |
| Molecular Mass | Calculated molecular mass 53 kDa; estimated by SDS-PAGE under reducing condition 55-60 kDa probably due to glycosylation. |
| Endotoxin | <0.1 eu per 1 µg of purified recombinant protein determined by the |
| Purity | >95% judged by SDS-PAGE under reducing condition |
| Storage | The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

–20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

Conjugation Biotin

GENE INFORMATION

Gene Name [EPCAM epithelial cell adhesion molecule \[Homo sapiens \]](#)

Official Symbol EPCAM

Synonyms

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;

Gene ID [4072](#)

mRNA Refseq [NM_002354](#)

Protein Refseq [NP_002345](#)

MIM [185535](#)

UniProt ID [P16422](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



| | |
|----------------------------|------------------|
| Chromosome Location | 2p21 |
| Function | protein binding; |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA