

Product datasheet for **TP727443**

Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human EpCAM/TROP1/CD326 (C-Fc)
Species:	Human
Expression cDNA Clone or AA Sequence:	Gln24-Lys265
Tag:	C-Fc
Buffer:	Supplied as a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Human Epithelial cell adhesion molecule is produced by our Mammalian expression system and the target gene encoding Gln24-Lys265 is expressed with a Fc tag at the C-terminus.
Storage:	Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Store at $\leq -70^{\circ}\text{C}$, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Stability:	12 months from date of despatch
Synonyms:	Epithelial Cell Adhesion Molecule; Ep-CAM; Adenocarcinoma-Associated Antigen; Cell Surface Glycoprotein Trop-1; Epithelial Cell Surface Antigen; Epithelial Glycoprotein 314; EGP314; Major Gastrointestinal Tumor-Associated Protein GA733-2; Tumor-Associated Calcium Signal Transducer 1; CD326; EPCAM; GA733-2; TROP1
Summary:	Epithelial Cell Adhesion Molecule (EpCAM) is a signal type I transmembrane glycoprotein that belongs to the EPCAM family. The EpCAM molecule has been shown to function as a homophilic Ca^{2+} independent adhesion molecule. It may act as a physical homophilic interaction molecule between intestinal epithelial cells (IECs) and intraepithelial lymphocytes (IELs) at the mucosal epithelium as an immunological barrier providing the first line of defense against infection. Defects in EPCAM are a cause of hereditary non-polyposis colorectal cancer type 8 (HNPCC8) and diarrhea type 5 (DIAR5). EpCAM plays a role in embryonic stem cells proliferation and differentiation; it up-regulates the expression of FABP5, MYC and Cyclin A and Cyclin E. It is highly and selectively expressed by undifferentiated embryonic stem cells.



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