

**EPCAM, 24-265aa, Human, His tag, E.coli**

**Cat.NO.: TP02027**

3th Edition

**Synonyms:**Epithelial cell adhesion molecules, CD326, KS1/4, KSA, M4S1, MIC18, MK-1, TACSTD1, TROP1, DIAR5, EGP, GA733 2, HNPCC8

**Description:**Epithelial cell adhesion molecules, also known as 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. This protein plays a role in embryonic stem cells proliferation and differentiation. Recombinant human EPCAM protein, fused to His-tag at N-terminus, was expressed in E.coli.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

**Molecular Weight:**30.1 kDa (267aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSHMQEEVCENYKLAVNCFVNNNRQCQCTSVGAQNTVICSKLAAKCLVMKA  
EMNGSKLGRRRAKPEGALQNNDGLYDPDCDESGLFKAKQCNGTSMCWCVNTAGVRRTDKDTEITCSEVRITYWIII  
ELKHKAREKPYDSKSLRTALQKEITTRYQLDPKFITSILYENNVITIDLVQNSSQKTQNDVDIADVAYYFEKDVKGESL  
FHSKKMDLTVNGEQLDLDPGQTLIYYVDEKAPEFSMQGLK

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.