PRODUCT INFORMATION

Expression system E.coli

Domain 24-265aa

UniProt No. P16422

NCBI Accession No. NP_002345

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

30.1 kDa (267aa)

Concentration 1mg/ml (determined by Bradford assay)

Formulation

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

Purity > 85% by SDS-PAGE

Tag His-Tag

Application SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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 Nterminus, was expressed in E. coli.



Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGSHM>QEECV CENYKLAVNC FVNNNRQCQC TSVGAQNTVI CSKLAAKCLV MKAEMNGSKL GRRAKPEGAL QNNDGLYDPD CDESGLFKAK QCNGTSMCWC VNTAGVRRTD KDTEITCSER VRTYWIIIEL KHKAREKPYD SKSLRTALQK EITTRYQLDP KFITSILYEN NVITIDLVQN SSQKTQNDVD IADVAYYFEK DVKGESLFHS KKMDLTVNGE QLDLDPGQTL IYYVDEKAPE FSMQGLK

General References

Muenz M., et al. (2004) Oncogene.23:5748-5758 Muenz M., et al. (2005) Cancer Lett. 225:151-157

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.