

Recombinant human EpCAM/TROP-1 protein

Catalog Number: ATGP1845

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 N-terminus, was expressed in E. coli.

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Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSHMQEECV CENYKLAVNC FVNNNRQCQC TSVGAQNTVI CSKLAACKLV
MKAEMNGSKL GRRAKPEGAL QNNDGLYDPD CDESGLFKAK QCNGTSMCWC VNTAGVRRTD KDTEITCSER VRTYWIIIEL
KHKAREKPYD SKSLRTALQK EITTRYQLDP KFITSILYEN NVITIDLVQN SSQKTQNDVD IADVAYFEK DVKGESLFHS
KKMDLTVNGE QLDLDPGQTL IYYVDEKAPE FSMQGLK

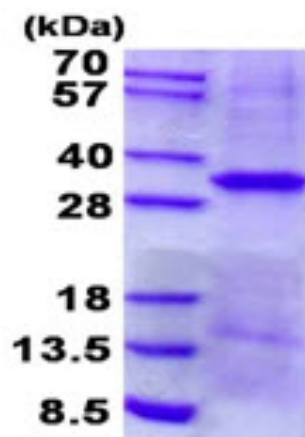
General References

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.

15% SDS-PAGE (3ug)