

AR50669PU-N

Human CD326 / EPCAM / TACSTD1 (24-265, His-tag) - Purified

Alternate names:

Adenocarcinoma-associated antigen, EGP314, Ep-CAM, Epithelial cell adhesion molecule, Epithelial glycoprotein 314, GA733-2, KS 1/4 antigen, KSA, M1S2, M4S1, MIC18, Major gastrointestinal tumor-associated protein GA733-2, TROP1, Trop-1, Tumor-associated calcium signal transducer 1

Quantity:

0.5 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[P16422](#)

NCBI:

[NP_002345](#)

GeneID:

[4072](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >85% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Description:

Recombinant human EPCAM protein, fused to His-tag at N-terminus, was expressed in E.coli.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGSHMQEECV CENYKLAVNC FVNNNRQCQC TSVGAQNTVI
CSKLAACKLV MKAEMNGSKL GRRAKPEGAL QNNDGLYDPD CDESGLFKAK QCNGTSMCWC
VNTAGVRRTD KDTEITCSER VRTYWIIEL KHKAREKPYD SKSLRTALQK EITTRYQLDP
KFITSILYEN NVITIDLQVN SSQKTQNDVD IADVAYYFEK DVKGESLFHS KKMDLTVNGE
QLDLDPGQTL IYYVDEKAPE FSMQGLK

Molecular weight: 30.1 kDa (267aa)

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

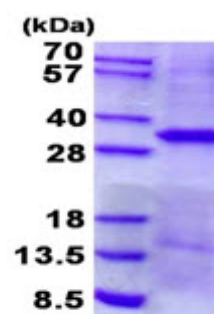
Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

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

Pictures:



15% SDS-PAGE (3ug)