

Recombinant Human EPCAM, His-tagged

Cat. No. EPCAM-7063H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human EPCAM protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	24-265aa
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea,10% glycerol
Molecular Mass	30.1 kDa (267aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMQEECV CENYKLAVNC FVNNNRQCQC TSVGAQNTVI CSKLAACKLV MKAEMNGSKL GRRAKPEGAL QNNDGLYDPD CDESGLFKAK QCNGTSMCWC VNTAGVVRTD KDTEITCSER VRTYWIIIE L KHKAREKPYD SKSLRTALQK EITTRYQLDP KFITSILYEN NVITIDLVQN SSQKTQNDVD IADVAYYFEK DVKGESLFHS KKMDLTVNGE QLDLDPGQTL IYYVDEKAPE FSMQGLK

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Purity	>85% by SDS - PAGE
Applications	SDS-PAGE
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.
Concentration	1 mg/ml
GENE INFORMATION	
Gene Name	EPCAM epithelial cell adhesion molecule [Homo sapiens]
Official Symbol	EPCAM
Synonyms	EPCAM; epithelial cell adhesion molecule; antigen identified by monoclonal AUA1 , M4S1, MIC18, TACSTD1, tumor associated calcium signal transducer 1; 17 1A; 323/A3; CD326; CO 17A; EGP 2; EGP34; EGP40; Ep CAM; ESA; GA733 2; HEA125; KS1/4; KSA; Ly74; MH99; MK 1; MOC31; TACST 1; TROP1; epithelial glycoprotein 314; human epithelial glycoprotein-2; cell surface glycoprotein Trop-1; adenocarcinoma-associated antigen; tumor-associated calcium signal transducer 1; major gastrointestinal tumor-associated protein GA733-2; membrane component, chromosome 4, surface marker (35kD glycoprotein); M4S1; MK-1; DIAR5; EGP-2; MIC18; EGP314; HNPCC8; TACSTD1; GA733-2;
Gene ID	4072
mRNA Refseq	NM_002354
Protein Refseq	NP_002345

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MIM	185535
UniProt ID	P16422
Chromosome Location	2p21
Function	protein binding;

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