Active GMP Recombinant Human EPCAM protein

Cat. No. EPCAM-186HG **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GMP Recombinant Human EPCAM protein(NP_002345.2)(241 aa), fused with His Tag at the C-terminal, was expressed in HEK293 cell in an animal component free process under cGMP guidelines.
Species	Human
Source	HEK293
ProteinLength	DNA sequence encoding Human EpCAM(NCBI Reference Sequence: NP_002345.2) was expressed with His tag at the C-terminal.
Form	Freeze-dried powder contains Sterile PBS (pH 7.4) with 6% mannitol.
Bio-activity	The determination is based on the ability of the immobilized protein to support the adhesion of the L cell-mouse fibroblast cell line. When 5×104 cells/well were added to Recombinant Human EpCAM and human fibronectin coated plates (0.5ug/ml), cell adhesion was enhanced in a dose-dependent manner. The ED50 of this effect is 1-2.4ug/ml.
Molecular Mass	Human EpCAM Protein contains 241aa. It has a predicted MW of 29.1 kDa.
Endotoxin	<0.1EU/ug
Purity	>=95% by SDS-PAGE and HPLC

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Storage	The lyophilized preparation can be stored at 4°C for 24 months, and the dissolved liquid can be stored at -20°C for 6-12 months to avoid repeated freezing and thawing
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	EPCAM epithelial cell adhesion molecule [Homo sapiens]
Official Symbol	EPCAM
Synonyms	EPCAM; TACSTD1; TROP1; CD326; DIAR5; EGP2; EGP314; EGP40; ESA; GA733-2; HNPCC8; HNPCC-8; KS1/4; KSA; M4S1; MIC18; MK1
Gene ID	4072
mRNA Refseq	NM_002354
Protein Refseq	NP_002345
MIM	185535
UniProt ID	P16422

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