

Recombinant Human EPCAM Protein

Cat. No. EPCAM-3367H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EPCAM full-length ORF (NP_002345.1) recombinant protein without tag.
Species	Human
Source	Wheat Germ
Description	This gene encodes a carcinoma-associated antigen and is a member of a family that includes at least two type I membrane proteins. This antigen is expressed on most normal epithelial cells and gastrointestinal carcinomas and functions as a homotypic calcium-independent cell adhesion molecule. The antigen is being used as a target for immunotherapy treatment of human carcinomas. Mutations in this gene result in congenital tufting enteropathy. [provided by RefSeq, Dec 2008]
Form	Liquid
Molecular Mass	34.9 kDa
AA Sequence	MAPPQVLAFLGLLLAAATATFAAAQEEVCENYKLAVNCFVNNNRQCQCTSVGAQNT VICSKLAACKCLVMKAEMNGSKLGRRRAKPEGALQNNNDGLYDPDCDESGLFKAKQCN GTSTCWCVNTAGVRRTDKDEITCSERVRTYWIIIELKHKAREKPYDSKSLRTALQKE ITTRYQLDPKFITSILYENNVITIDLQVNSSQKTQNDVDIADVAYYFEKDVKGESLFHHSK KMDLTVNGEQLDLDPGQTLIIYYVDEKAPEFSMQGLKAGVIAVIVVVVIAVVAGIVVLVI SRKKRMAKYEKAIEKEMGEMHRELNA
Applications	Antibody Production

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	Functional Study Compound Screening
Usage	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	25 mM Tris-HCl of pH 8.0 containing 2% glycerol.
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

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Protein Refseq	NP_002345
MIM	185535
UniProt ID	P16422

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