

Product datasheet for **TP710374**

EPCAM (NM_002354) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Human epithelial cell adhesion molecule (EPCAM), esidues 24-265aa, secretory expressed with GP67 signal peptide, with C-terminal DDK tag, expressed in sf9, 20ug |
| Species: | Human |
| Expression Host: | Sf9 |
| Expression cDNA Clone or AA Sequence: | A DNA sequence from TrueORF clone, RC201989, encoding the region (Met-Gln24-Lys265) of EPCAM |
| Tag: | C-DDK |
| Predicted MW: | 29.5 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 50 mM Tris-HCl, 100 mM glycine, pH 8.0, 10% glycerol |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_002345 |
| Locus ID: | 4072 |
| UniProt ID: | P16422 |
| RefSeq Size: | 1528 |
| Cytogenetics: | 2p21 |
| RefSeq ORF: | 942 |
| Synonyms: | DIAR5; EGP-2; EGP40; EGP314; ESA; HNPCC8; KS1/4; KSA; M4S1; MIC18; MK-1; TACSTD1; TROP1 |



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Summary:

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]

Protein Families:

ES Cell Differentiation/IPS, Transmembrane

Product images: