

Product datasheet for **SC322331**

EPCAM (NM_002354) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EPCAM (NM_002354) Human Untagged Clone
Tag:	Tag Free
Symbol:	EPCAM
Synonyms:	DIAR5; EGP-2; EGP40; EGP314; ESA; HNPCC8; KS1/4; KSA; M4S1; MIC18; MK-1; TACSTD1; TROP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322331
 CCTTCGGCGAGCGAGCACCTTCGACGCGGTCCGGGGACCCCTCGTCGCTGCTCCTCCCGA
 CGCGGACCCGCGTGCCCCAGGCCCTCGCGCTGCCCGGCCGGCTCCTCGTGTCCCCTCCCG
 GCGCAGCCCTCCCGGAGTCCCGGGCCCTCCCGCGCCCTCTTCTCGGCGCGCGCGCA
 GCATGGCGCCCCGAGGTCCTCGGTTCCGGCTTCTGCTTGCCGCGCGACGGCGACTT
 TTGCCGCACTCAGGAAGAATGTGTCTGTGAAAACACAAGCTGGCCGTAACCTGCTTTG
 TGAATAATAATCGTCAATGCCAGTGTACTTCAGTTGGTGCACAAAATACTGTCAATTTGCT
 CAAAGCTGGCTGCCAAATGTTTGGTGATGAAGGCAGAAATGAATGGCTCAAAAACCTGGGA
 GAAGAGCAAAAACCTGAAGGGGCCCTCCAGAACAATGATGGGCTTTATGATCCTGACTGCG
 ATGAGAGCGGGCTCTTTAAGGCCAAGCAGTGCAACGGCACCTCCACGTGCTGGTGTGTGA
 AACTGCTGGGGTCAGAAGAACAGACAAGGACTGAAATAACCTGCTCTGAGCGAGTGA
 GAACCTACTGGATCATCATTGAACTAAAACACAAAGCAAGAGAAAAACCTTATGATAGTA
 AAAGTTTTCGGACTGCACTTCAGAAGGAGATCACACGCGTTATCAACTGGATCCAAAAT
 TTATCACGAGTATTTTGTATGAGAATAATGTTATCACTATTGATCTGGTTCAAAAATCTT
 CTCAAAAAATCAGAATGATGTGGACATAGCTGATGTGGCTTATTATTTTAAAAAGATG
 TTAAGGTGAATCCTTGTTCATTCTAAGAAAAATGGACCTGACAGTAAATGGGGAACAAC
 TGGATCTGGATCCTGGTCAAACCTTAATTTATTATGTTGATGAAAAAGCACCTGAATTCT
 CAATGCAGGGTCTAAAAGCTGGTGTATTGCTGTTATTGTGGTGTGGTGTATGACAGTTG
 TTGCTGGAATTGTTGTGCTGGTTATTTCCAGAAAGAAGAGAAATGGCAAAGTATGAGAAGG
 CTGAGATAAAGGAGATGGGTGAGATGCATAGGGAACCTCAATGCATAACTATATAATTTGA
 AGATTATAGAAGAAGGAAATAGCAAATGGACACAAATTACAAATGTGTGTGCGTGGGAC
 GAAGACATCTTTGAAGGTCATGAGTTTGTAGTTAACATCATATATTTGTAATAGTGAA
 ACCTGTACTCAAAATATAAGCAGCTTGAACCTGGCTTTACCAATCTTGAATTTGACCAC
 AAGTGCTTATATATGCAGATCTAATGTAAAATCCAGAACCTGGACTCCATCGTTAAAAT
 TATTTATGTGTAACATTCAAATGTGTGCATTAATATGCTTCCACAGTAAATCTGAAAA
 ACTGAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_002354

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_002354.1](#), [NP_002345.1](#)

RefSeq Size:	1528 bp
RefSeq ORF:	945 bp
Locus ID:	4072
UniProt ID:	P16422
Cytogenetics:	2p21
Domains:	thyroglobulin_1
Protein Families:	ES Cell Differentiation/IPS, Transmembrane
Gene 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]