

Product datasheet for **SC303059**

CD147 (BSG) (NM_001728) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD147 (BSG) (NM_001728) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD147
Synonyms:	5F7; CD147; EMMPRIN; EMPRIN; HAb18G; OK; SLC7A11; TCSF
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_001728 edited
 ATGGCGGCTGCGCTGTTCTGCTGCTGGGATTCGCGCTGCTGGGCACCCACGGAGCCTCC
 GGGGCTGCCGGCTTCGTCCAGGCGCCGCTGTCCAGCAGAGGTGGTGGGGGAGTGTG
 GAGCTGCACTGCGAGGCGTGGGAGCCCGGTGCCGAGATCCAGTGGTGGTTTGAAGGG
 CAGGGTCCCAACGACACCTGCTCCAGCTCTGGGACGGCGCCGGCTGGACCGCTCCAC
 ATCCACGCCACCTACCACCAGCACGCGGCCAGCACCATCTCCATCGACACGCTCGTGGAG
 GAGGACACGGGCACTTACGAGTGCCGGGCCAGCAACGACCCGGATCGCAACCACCTGACC
 CGGGCGCCAGGGTCAAGTGGGTCGCGGCCAGGCAGTCGTGCTAGTCCTGGAACCCGGC
 ACAGTCTTCACTACCGTAGAAGACCTTGGCTCCAAGATACTCCTCACCTGCTCCTGAAT
 GACAGCGCCACAGAGGTACAGGGCACCCTGGCTGAAGGGGGGCGTGGTGTGAAGGAG
 GACGCGCTGCCCGCCAGAAAACGGAGTCAAGGTGGACTCCGACGACCAGTGGGGAGAG
 TACTCCTGCGTCTTCTCCCGAGCCATGGGCACGGCCAACATCCAGCTCCACGGGCCT
 CCCAGAGTGAAGGCTGTGAAGTCGTGAGAACACATCAACGAGGGGGAGACGGCCATGCTG
 GTCTGCAAGTCAGAGTCCGTGCCACCTGTCACTGACTGGGCTGGTACAAGATCACTGAC
 TCTGAGGACAAGGCCCTCATGAACGGCTCCGAGAGCAGGTTCTTCGTGAGTTCCTCGCAG
 GGCCGGTCAGAGCTACACATTGAGAACCTGAACATGGAGGCCGACCCCGGCCAGTACCGG
 TGCAACGGCACCAGCTCCAAGGGCTCCGACCAGGCCATCATCACGCTCCGCGTGCCGAGC
 CACCTGGCCGCCCTCTGGCCCTTCTGGGCATCGTGGCTGAGGTGCTGGTGTGCTGGTACC
 ATCATCTTCACTACGAGAAGCGCCGGAAGCCCGAGGACGTCCTGGATGATGACGAGGCC
 GGCTCTGACCCCTGAAGAGCAGCGGGCAGCACCAGAATGACAAAAGCAAGAACGTCGCG
 CAGAGGAACCTTCTCTGA



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001728 unedited
 GAGGATTGTATACGACTCCTATAGGGCGGCCGCGTATCCTCATGGCGGCCTGCGCTGTTCTG
 GTGCTGTGGGATTTTCGCGCTGTGGGCACCCACGGAGCCTCCGGGGCTGCCGGCTTCGT
 CCAGGGCCCGCTGTCCCAGCAGAGGTGGGTGGGGGACAGTGTGGAGCTGCACTGCGAGGC
 CGTGGGCAGCCCGGTGCCGAGATCCAGTGGTGGTTTGAAGGGCAGGGTCCCAACGACAC
 CTGCTCCCAGCTCTGGGACGGCGCCCGGCTGGACCGCTCCACATCCACGCCACCTACCA
 CCAGCACGGCCAGCACCATCTCCATCGACACGCTCGTGGAGGAGGACACGGGCATTA
 CGAGTGGCCGGCCAGCAACGACCCGGATCGCAACCACCTGACCCGGGCGCCAGGGTCAA
 GTGGGTCCGCGCCAGGAGTCTGTGCTAGTCTGGAACCCGGCACAGTCTTCACTACCGT
 AGAAGACCTTGGCTCCAAGATACTCCTCACCTGCTCCTTGAATGACAGCGCCACAGAGGT
 CACAGGGCACCGCTGGCTGAAGGGGGGCGTGGTGTGAAGGAGGACGCGCTGCCCGGCCA
 GAAAACGGAGTTCAAGGTGGACTCCGACGACAGTGGGGGAGAGTACTCTGCGTCTTCC
 TCCCCGAGCCATGGGGACGGCAACATCCAGTCCACGGGCCCTCCAGAGTGAAGCT
 GTGAAGTCGTGAGAACACATCAACGAGGGGAGACGGCCATGCTGGTCTGCAAGTCAGAGT
 CCGTGCCACCTGTCACTGACTGGGCCTGGTACAAGTCACTGACTCTGAGGACAGCCCTC
 ATGAACGCTCCGAGAGCAGTTCTTCGTGAGTTCCTCGCAGGCCCGTCAGAGCTACAACAT
 TGAGAACCTGAACATGGAGGCCGACCCCGGCCAGT

3' Read Nucleotide Sequence:

>Forward primer walk for NM_001728 unedited
 TAGCAACCGCCCTCCGAGCAGGTTCTTCGTGAGTTCCTCGCAGGGCCGGTCAGAGCTACA
 CATTGAGAACCTGAACATGGAGGCCGACCCCGGCCAGTACCGGTGCAACGGCACCCAGCTC
 CAAGGGCTCCGACCAGGCCATCATCACGCTCCGCGTGCAGCCACCTGGCCGCCCTCTG
 GCCCTTCTGGGCATCGTGGCTGAGGTGCTGGTGTGGTACCATCATCTTCATCTACGA
 GAAGCGCCGGAAGCCCGAGGACGCTCCTGGATGATGACGAGCCGGCTCTGCACCCCTGAA
 GAGCAGCGGGCAGCACCAGAATGACAAAGGCAAGAACGTCCGCCAGAGGAACTTTCCTG
 AGGCAGGTGGCCCGAGGACGCTCCCTGCTCCACGTCTGCGCCCGCCGGAGTCCACTCC
 CAGTGCTTGAAGATTCCAAGTTCTCACCTCTTAAGAAAACCCACCCCGTAGATTCCCA
 TCATACACTTCTTCTTTTTTAAAAAAGTTGGGTTTTCTCATTCCAGGATTCTGTTCTT
 AGGTTTTTTTCTTCTGAAGTGTTCACGAGAGCCCGGAGCTGCTGCCCTGCGGCCCGG
 TCTGTGGCTTTCAGCCTCTGGGTCTGAGTCATGGCCGGGTGGGCGGCACAGCCTTCTCCA
 CTGGCCGGAGTCAGTGCCAGGTCCTTCCCTTTGTGAAAGTCACAGGTACACAGAGGGG
 CCCCGTGTCTGCTGTCTGAAGCCAATGCTGTCTGTTGCGCCATTTTTGTGCTTTTAT
 GTTTAATTTTATGAGGGCCACGGGTCTGTGTTGACTCAGCCTCAGGGACGACTCTGACC
 TCTTGGCCACAGAGGACTCACTTGGCCACACCGAGGGCGACCCCGTCACAGCCTCAAGTC
 ACTCCCAGCCCCCTCTTGTCTGTGCATCGGGGCAGCTCTGGAGGGGTTTGTGGGGAC
 TGGCGCCATCGCCGGGACCTCCAGACCGC

Restriction Sites:

Please inquire

ACCN:

NM_001728

Insert Size:

2000 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
OTI Annotation:	<p>The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.</p>
Components:	<p>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).</p>
Reconstitution Method:	<ol style="list-style-type: none">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:	<p>NM_001728.2, NP_001719.2</p>
RefSeq Size:	<p>2024 bp</p>
RefSeq ORF:	<p>1158 bp</p>
Locus ID:	<p>682</p>
UniProt ID:	<p>P35613</p>
Cytogenetics:	<p>19p13.3</p>
Domains:	<p>ig, IG</p>
Protein Families:	<p>Druggable Genome, ES Cell Differentiation/IPS, Transmembrane</p>
Gene Summary:	<p>The protein encoded by this gene, basigin, is a plasma membrane protein that is important in spermatogenesis, embryo implantation, neural network formation, and tumor progression. Basigin is also a member of the immunoglobulin superfamily, ubiquitously expressed in various tissues. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2020] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>