

## Product datasheet for **SC126562**

### CD147 (BSG) (NM\_198589) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD147 (BSG) (NM_198589) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD147
Synonyms:	5F7; CD147; EMMPRIN; EMPRIN; HAb18G; OK; SLC7A11; TCSF
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC126562 sequence for NM_198589 edited (data generated by NextGen Sequencing)

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ATGGCGGCTGCGCTGTTCTGCTGCTGGGATTCGCGCTGCTGGGCACCCACGGAGCCTCC
GGGGCTGCCGGCACAGTCTTCACTACCGTAGAAGACCTTGGCTCCAAGATACTCCTCACC
TGCTCCTTGAATGACAGCGCCACAGAGGTCACAGGGCACCGCTGGCTGAAGGGGGCGTG
GTGCTGAAGGAGGACGCGCTGCCCGCCAGAAAACGGAGTTCAAGGTGGACTCCGACGAC
CAGTGGGGAGAGTACTCCTGCGTCTTCTCCCGAGCCCATGGGCACGGCCAACATCCAG
CTCCACGGGCCTCCAGAGTGAAGGCTGTGAAGTCGTCAGAACACATCAACGAGGGGGAG
ACGGCCATGCTGGTCTGCAAGTCAGAGTCCGTGCCACCTGCTACTGACTGGCCTGGTAC
AAGTCACTGACTCTGAGGACAAGGCCCTCATGAACGGCTCCGAGAGCAGGTTCTTCGTG
AGTTCCTCGCAGGGCCGGTCAGAGCTACACATTGAGAACCTGAACATGGAGGCCGACCCC
GGCCAGTACCGGTGCAACGGCACCAAGCTCAAGGGCTCCGACCAGGCCATCATCACGCTC
CGCGTGCCGAGCCACCTGGCCGCCCTCTGGCCCTTCTGGGCATCGTGGCTGAGGTGCTG
GTGCTGGTCAACATCATTTTATCTACGAGAAGCGCCGGAAGCCCGAGGACGTCCTGGAT
GATGACGACGCCGGCTCTGCACCCTGAAGAGCAGCGGGCAGCACCAGAATGACAAAGGC
AAGAACGTCCGCCAGAGGAATCTTCTGA

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Clone variation with respect to NM\_198589.1



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_198589 unedited GTATACGACTCACTAAGGGCGGCCGCGACTTCGGCACGAGGGTGTAGGACCGGCGAGT GATAGGAATCATGGCGGCTGCGCTGTTTCGTGCTGCTGGGATTCGGCTGCTGGGCACCCA CGGAGCCTCCGGGGCTGCCGGCACAGTCTTCACTACCGTAGAAAGACCTTGGCTCCAAGA TACTCCTCACCTGCTCCTTGAATGACAGCGCCACAGAGTACAGGGCACCGCTGGCTGA AGGGGGCGTGGTGTGAAGGAGGACGCGCTGCCCGCCAGAAAACGGAGTTCAAGTGG ACTCCGACGACCAGTGGGGAGAGTACTCCTGCGTCTTCTCCCGAGCCCATGGGCACGG CCAACATCCAGCTCCACGGGCCTCCAGAGTGAAGGCTGTGAAGTCGTCAGAACACATCA ACGAGGGGGAGACGGCCATGCTGGTCTGCAAGTCAGAGTCCGTGCCACCTGTCACTGACT GGGCTGGTACAAGATCACTGACTCTGAGGACAAGGCCCTCATGAACGGCTCCGAGAGCA GGTTCTTCGTGAGTTCCTCGCAGGGCCGGTCAGAGCTACACATTGAGAACCTGAACATGG AGGCCGACCCCGCCAGTACCGGTGCAACGGCACAGCTNCAGGGCTCCGACCAGGCCAT CATCACGCTCCGCGTGCAGCCACCTGGCCGGCCTTCTGCCCTTCTGGGCATCGTGGC TGAAGTGTGGTCTGGNCACCATCATCTTCTATCTACAAAAGCGCGGGAGCCCGAGGAC GTCTGGAGATGACCAAGCCCGCTTGGACCCTGAAAAGAACGGGCAGACCAGATGACAA GGCANAACCTCCGACAGAGAACTTCTGGAGGGGCCGAGAACTTCTGGTCCATTTGCCCC GCCGAAACCATCCAAGCTTC
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_198589
<b>Insert Size:</b>	1670 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_198589.1</a> , <a href="#">NP_940991.1</a>
<b>RefSeq Size:</b>	1676 bp
<b>RefSeq ORF:</b>	810 bp
<b>Locus ID:</b>	682
<b>UniProt ID:</b>	<a href="#">P35613</a>
<b>Cytogenetics:</b>	19p13.3
<b>Protein Families:</b>	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

**Gene Summary:**

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 (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1. Variants 2 and 5 both encode the same isoform (2).