

Product datasheet for **RG203894**

CD147 (BSG) (NM_198589) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD147 (BSG) (NM_198589) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CD147
Synonyms:	5F7; CD147; EMMPRIN; EMPRIN; HAb18G; OK; SLC7A11; TCSF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203894 representing NM_198589 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCTGCGCTGTTCTGCTGCTGGGATTTCGCGCTGCTGGGCACCCACGGAGCCTCCGGGGCTGCCG
GCACAGTCTTCACTACCGTAGAAGACCTTGCTCCAAGATACTCCTCACCTGCTCCTTGAATGACAGCGC
CACAGAGGTCACAGGGCACCGCTGGCTGAAGGGGGCGTGGTGTGAAGGAGGATGCGCTGCCCGGCCAG
AAAACGGAGTTCAAGGTGACTCGGACGACCAGTGGGAGAGTACTCCTGCGTCTTCTCCCGAGCCCA
TGGGCACGGCCAACATCCAGCTCCAGGGCCTCCAGAGTGAAGGCTGTGAAGTCGTGAGAACACATCAA
CGAGGGGGAGACGGCCATGCTGGTCTGCAAGTCAGAGTCCGTGCCACCTGTCACTGACTGGCCTGGTAC
AAGATCACTGACTCTGAGGACAAGGCCCTCATGAACGGTCCGAGAGCAGGTTCTTCGTGAGTTCCTCGC
AGGGCCGGTCAGAGCTACACATTGAGAACCTGAACATGGAGGCCGACCCCGGCCAGTACCGGTGCAACGG
CACCAGCTCCAAGGGCTCCGACCAGGCCATCATCACGCTCCGCGTGCGCAGCCACCTGGCCGCCCTCTGG
CCCTTCTGGGCATCGTGGCTGAGGTGCTGGTGTGCTGGTACCATCATCTTCTCATCTACGAGAAGCGCCGGA
AGCCCAGGACGTCCTGGATGATGACGACGCCGGCTCTGCACCCCTGAAGAGCAGCGGCCAGCACCAGAA
TGACAAAGGCAAGAACGTCCGCCAGAGGAACCTCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG203894 representing NM_198589
 Red=Cloning site Green=Tags(s)

MAAALFVLLGFALLGTHGASGAAGTVFTTVEDLGSKILLTCSLNDSATEVTGHRWLKGGVVLKEDALPGQ
 KTEFKVSDDDQWGEYSCVFLPEPMGTANIQLHGPPRVKAVKSSEHINEGETAMLVCKSESVPVTDWAWY
 KITDSEDKALMNGSESRFFVSSSQGRSELHIENLNMEADPGQYRCNGTSSKGSQAIITLVRSHLAALW
 PFLGIVAEVLVLVTIIFIYEKRRKPEDVLDLDDDDAGSAPLKSSGQHQNDKGNVRQRNSS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198589

ORF Size: 807 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_198589.1](#), [NP_940991.1](#)

RefSeq Size: 1676 bp

RefSeq ORF: 810 bp

Locus ID: 682

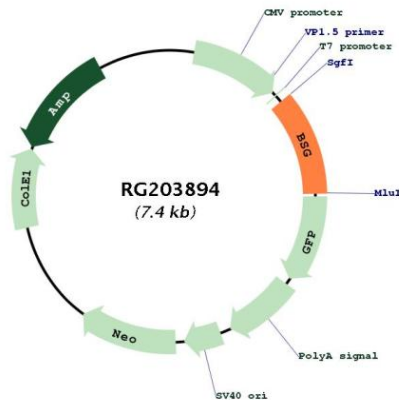
UniProt ID: [P35613](#)

Cytogenetics: 19p13.3

Protein Families: 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]

Product images:



Circular map for RG203894