

Product datasheet for **RG219464**

CD147 (BSG) (NM_001728) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD147 (BSG) (NM_001728) 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:	>RG219464 representing NM_001728 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCTGCGCTGTTCTGCTGCTGGGATTCGCGCTGCTGGCACCCACGGAGCCTCCGGGGCTGCCG
GCTTCGTCAGGCGCCGCTGTCCAGCAGAGGTGGTGGGGGCGAGTGTGGAGCTGCACTGCGAGGCCGT
GGGACGCCGGTCCCGAGATCCAGTGGTGGTTGAAGGGCAGGGTCCCAACGACACCTGCTCCAGCTC
TGGACGGCGCCCGCTGGACCGCTCCACATCCAGCCACCTACCACCAGCACGGCCAGCACCATCT
CCATCGACACGCTCGTGGAGGAGACACGGCACTTACGAGTCCCGGCCAGCAACGACCCGGATCGCAA
CCACCTGACCCGGCGCCAGGGTCAAGTGGGTCCGCGCCAGGCAGTCTGCTAGTCTGGAACCCGGC
ACAGTCTTCACTACCGTAGAAGACCTTGGCTCCAAGATACTCCTCACCTGCTCCTGAATGACAGGCCA
CAGAGGTACAGGGCACCGCTGGCTGAAGGGGGCGTGGTGTGAAGGAGGACGCGCTGCCCGGCCAGAA
AACGGAGTTCAAGGTGGACTCCGACGACCAGTGGGGAGAGTACTCCTGCGTCTTCTCCCGAGCCCATG
GGCACGGCCAACATCCAGCTCCAGGGCCCTCCAGAGTGAAGGCTGTGAAGTCTGAGTCAACATCAACG
AGGGGAGACGGCCATGCTGGTCTGCAAGTCAAGTCCGTCACCTGTCACTGACTGGGCTGGTACAA
GATCACTGACTCTGAGGACAAGGCCCTCATGAACGGCTCCGAGAGCAGGTTCTTCGTGAGTTCCTCGCAG
GGCCGGTCAGAGCTACACATTGAGAACCTGAACATGGAGGCCGACCCCGCCAGTACCGGTGCAACGGCA
CCAGTCCAAGGGCTCCGACAGGCCATCATCAGCTCCGCGTCCGAGCCACCTGGCCGCTCTGGCC
CTTCTGGGCATCGTGGCTGAGGTGCTGGTGTGCTGGTCAACATCATCTTCTACGAGAAGCGCCGGAAG
CCCGAGGACGTCCTGGATGATGACGACGCGGCTCTGCACCCCTGAAGAGCAGCGGGCAGCACCAAGT
ACAAAGGCAAGAAGTCCGCCAGAGGAAGTCTTCC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG219464 representing NM_001728
 Red=Cloning site Green=Tags(s)

MAAALFVLLGFALLGTHGASGAAGFVQAPLSQQRWVGGSVELHCEAVGSPVPEIQWVFEQGPNDTCSQL
 WDGARLDRVHIHATYHQHAASTISIDTLVEEDTGTIECRASNDPDRNHLTRAPRVKVVRAQAVVLEPG
 TVFTTVEDLGSKILLTCSLNSATEVGTGHRWLKGGVLLKEDALPGQKTEFKVSDSQWGEYSCVFLPEPM
 GTANIQLHGPPRVKAVKSSEHINEGETAMLVCKSESVPPVTDWAWYKITDSEDKALMNGSERFFVSSSQ
 GRSELHIENLNMEADPGQYRCNGTSSKGSQAIITLRLVRSHLAALWPFLGIVAELVLTIIIFIYEKRRR
 PEDVLDDDDAGSAPLKSSGQHNDKGNVQRNSS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001728

ORF Size: 1155 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_001728.2](#), [NP_001719.2](#)

RefSeq Size: 2024 bp

RefSeq ORF: 1158 bp

Locus ID: 682

UniProt ID: [P35613](#)

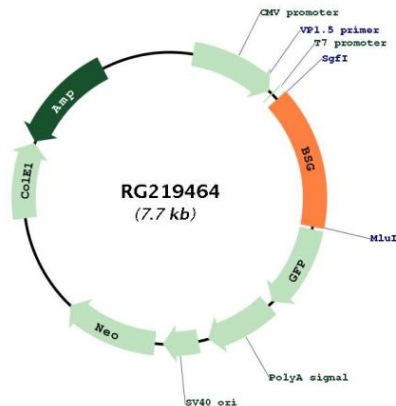
Cytogenetics: 19p13.3

Domains: ig, IG

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 RG219464