

Product datasheet for RN200442

Bsg (NM_012783) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bsg (NM_012783) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Bsg
Synonyms:	5A11; basignin; CE9; EMMPRIN; HT7; Ox47R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN200442 representing NM_012783 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCGCGGCTGCTGCTGGCGCTGGCCTTCACGTTCTGAGTGGCCAAGGCGCTGCGCGCGCGCGG
GCACCATCGTAACCTCTGTCCAGGAAGTTGACTCCAAGACACAGCTTACCTGCTTTTTGAACAGCAGTGG
CATTGACATCGTTGGCCACCGCTGGATGAGAGGTGGCAAGGACTGCAGGAAGACACGCTGCCCGATCTA
CAGATGAAGTACACGGTGGATGCAGATGACCGCTCTGGAGAATATTCCTGCATCTTCTTCTGAGCCTG
TGGGCAGAGGCAACATCAATGTGGAGGGGCCACCCAGGATCAAGGTGGGAAAGAAATCGGAACACGCCAG
TGAGGGAGAGTTTGTGAAGCTGATCTGCAAGTCTGAGGCGTCCCACCCTCCTGTGGATGAGTGGGTCTGG
TTAAGACCTCTGACACTGGGGACCAGACTATCTCCAACGGCACTGAGGCCAATAGCAAGTACGTCATTA
TATCCACGCTGAGCTGTGAGAGCTGATCATCAGCGACCTGGACATGAACGTGGACCCTGGCACCTACGT
GTGCAATGCCACCAACTCCCAGGGCAGTGTCTGGGAGACCATCTCACTGCGTGTGCGCAGCCGCTGGCA
GCCCTCTGGCCCTTCTGGGCATTGTGGCCGAGGTCTGGTGTGGTACCATCATCTTCATCTACGAGA
AGAGGGGAAGCCGACCAGACCCTGGACGAGGATGATCCTGGCGCCGCCCACTGAAGGGCAGCGGGTC
TCACCTGAATGACAAGGACAAGAATGTGCGCCAGAGGAACGCCACCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:	https://cdn.origene.com/chromatograms/ja3236_e01.zip
Restriction Sites:	Sgfl-MluI
ACCN:	NM_012783



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Insert Size:	819 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>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).</p>
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:	<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:	NM_012783.3 , NP_036915.1
RefSeq Size:	1333 bp
RefSeq ORF:	819 bp
Locus ID:	25246
UniProt ID:	P26453
Cytogenetics:	7q11
Gene Summary:	<p>MRC OX-47 antigen that is upregulated on activated lymphocytes; member of the immunoglobulin superfamily [RGD, Feb 2006]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1. The resulting isoform (2) has a shorter N-terminus when compared to isoform 1.</p>