

Product datasheet for **SC303927**

BRDG 1 (STAP1) (NM_012108) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRDG 1 (STAP1) (NM_012108) Human Untagged Clone
Tag:	Tag Free
Symbol:	BRDG 1
Synonyms:	BRDG1; STAP-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303927 representing NM_012108. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGATGGCTAAGAAGCCCCAAAACCAGCCCTCGCAGGATCTTCCAGGAAAGTTAAAGATTACTGCT
CTACCTTTGACTTTGAAGGTTTTTTATTAATCAAGCGGT CAGGATACCGGGAGTATGAGCATTACTGG
ACAGAGTTGAGAGGAAC TACTCTTTTATACCGACAAAAGAGTATAATATATGTTGACAAATTA
GACATAGTAGACCTCACATGCCTTACTGAGCAGAATCAACTGAAAAGAAGTGTGCGAAATTCACCTT
GTTTTGCCGAAAGAGGAAGTACAAC TGAAGACAGAGAACACAGAAAGTGGGAAGAATGGAGAGGCTTC
ATTCTTACAGTAACAGAGCTGTCAGTTC CCCC AAAACGTGTCACCTCTACCTGGGCAAGTAATTAACCTG
CATGAAGTCCTAGAGAGAGAAAAGAAAAGGAGGATTGAGACAGAGCAGAGTACGTCCGTGAAAAAGAG
AAGGAACCAACTGAAGATTATGTGGATGTACTGAACCCTATGCCAGCATGTTTTTATACAGTGTCCCGG
AAAGAGGCAACTGAGATGCTCCAGAAGAACCCTCTTTGGGAAATATGATCCTGAGGCCTGGTAGTGAC
AGTAGAACTACTCCATCACTATTCGGCAGGAGATAGACATTCCAAGAATCAAGCACTACAAAGTATG
AGCGTAGGACAAAAC TACTATTGAACTGAAAAACCTGTAACACTCCCAAACCTTTTCAGTGTCAAT
GATTATTTGTGAAGGAGACTCGAGGAAATTTAAGACATTTATATGTTCAACTGATGAAAACACTGGT
CAAGAACCAGTATGGAAGGGAGAAGT GAAAAGTTGAAGAAAAATCCACACATTGCATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_012108
Insert Size:	888 bp



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OTI Disclaimer:	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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_012108.3</u>
RefSeq Size:	2011 bp
RefSeq ORF:	888 bp
Locus ID:	26228
UniProt ID:	<u>Q9ULZ2</u>
Cytogenetics:	4q13.2
Protein Families:	Druggable Genome
MW:	34.3 kDa
Gene Summary:	<p>The protein encoded by this gene contains a proline-rich region, a pleckstrin homology (PH) domain, and a region in the carboxy terminal half with similarity to the Src Homology 2 (SH2) domain. This protein is a substrate of tyrosine-protein kinase Tec, and its interaction with tyrosine-protein kinase Tec is phosphorylation-dependent. This protein is thought to participate in a positive feedback loop by upregulating the activity of tyrosine-protein kinase Tec. Variants of this gene have been associated with autosomal-dominant hypercholesterolemia (ADH), which is characterized by elevated low-density lipoprotein cholesterol levels and in increased risk of coronary vascular disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.</p>