

## Product datasheet for **SC122301**

### BRDG 1 (STAP1) (BC014958) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BRDG 1 (STAP1) (BC014958) Human Untagged Clone
Tag:	Tag Free
Symbol:	BRDG 1
Synonyms:	BCR downstream signaling 1; BRDG1; OTTHUMP00000159640; signal-transducing adaptor protein-1; signal transducing adaptor family member 1; STAP-1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC014958 edited

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GAGAAACCAAACACACACCAAGAGAGGGGTATGATGGCTAAGAAGCCCCAAAACAG
CCCCTCGCAGGATCTCCAGGAAAGGTTAAAGATTACTGCTCTACCTTTGTAATTTGAAG
GTTTTTTATTAATCAAGCGGTGAGGATACCGGGAGTATGAGCATTACTGGACAGAGTTGA
GAGGAAGTACTCTTTCTTTTATACCGACAAAAGAGTATAATATATGTTGACAAATTAG
ACATAGTAGACCTCACATGCCTTACTGAGCAGAATTCAACTGAAAAGAAGTGTGCGAAAT
TCACCCTTGTTTTGCCGAAAGAGGAAGTACAAGTGAAGACAGAGAACACAGAAAGTGGGG
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TCCTACCTGGGCAAGTAATTAAGTGCATGAAGTCTAGAGAGAGAAAAGAAAAGGAGGA
TTGAGACAGAGCAGAGTACGTCCGTGGAAAAGAGAAGGAACCAACTGAAGATTATGTGG
ATGTAAGTAAACCTATGCCAGCATGTTTTTATACAGTGTCCCGAAAAGAGGCAACTGAGA
TGCTCCAGAAGAACCCTTCTTTGGGAAATATGATCCTGAGGCCTGGTAGTGACAGTAGAA
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TGAGCGTAGGACAAAACACTATTGAACTGGAAAACCTGTAACACTCCCAAACCTTT
TCAGTGTCAATTGATTATTTGTGAAGGAGACTCGAGGAAATTTAAGACCTTTATATGTT
CAACTGATGAAAACACTGGTCAAGAACCAGTATGGAAGGGAGAAGTGAAGGTTGAAGA
AAAATCCACACATTGCATGAAATACAATGTGAAAGCTCTTTGTATATCTTGGGGAAAGA
CTATGTGAGACAGAGGGGAGAAAACAGCCATTGACAACCAAGGAGAGAGGCCTCGGGGG
AAAAAAGATCAACCTGGCCAAAACCTTGAAGTCCGGCTTCTTGACTTGTGAGAAAATA
AATTTGTGTTCCTTAAAAAAAAAAAAAAAAAAAAA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for BC014958 unedited CCATATTTTGTAAATACGACTTCACTATAGGGCGGCCGGAATTCGCACGAGGGAAGAAAC CAAACCCACACCAAAGAGAGGGGTATGATGGCTAAGAAGCCCCAAAACCAGCCCCTCG CAGGATCTTCCAGGAAAGGTTAAAGATTACTGCTCTACCTTTGTACTTTGAAGGTTTTTT ATTAATCAAGCGGTCAGGATACCGGGAGTATGAGCATTACTGGACAGAGTTGAGAGGAAC TACTCTTTTCTTTATACCGACAAAAAGGTATAATATATGTTGACAAATTAGACATAGT AGACCTCACATGCCTTACTGAGCAGAATTCAACTGAAAAGAAGTGTGCGAAATTCACCT TGTTTTGCCGAAAGAGGAAGTACAACCTGAAGACAGAGAACACAGAAAGTGGGGAAGAATG GAGAGGCTTCATTCTTACAGTAACAGAGCTGTCAGTTCGCCAAAACGTGCACTCCTACC TGGGCAAGTAATTAACCTGCATGAAGTCTAGAGAGAGAAAAGAAAAGGAGGATTGAGAC AGAGCAGAGTACGTCCGTGGAAAAGAGAAGGAACCAACTGAAGATTATGTGGGATGTAC TGAACCTATGCCAGCATGTTTTTATACAGTGTCCCGAAAAGAGCAACTGAGATGCTCC AGAAGAACCCTTTCTTTGAAAATATGATCCCTGAGCCTGGTAGTACAGTAGAACTACT CCATCACTATTCGGGCAGAGATAGCCTTTCCAAGATCAAGCCTACCAATTGATGAGCGTA GGCAAACTACACTATTGAAGTGGGAAAAGTAACTCCCAACTTTTCGTGTCATT GATTATTTTGGGAGGAAACTCGGGGAAATTTAAGACCTTAATTGTCAACTGATGAAAC CCTGGTCAAGACCCGTTTGGAGGAAAATTGAAATTTTAAAAA
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	BC014958
<b>Insert Size:</b>	1114 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>	<u><a href="#">BC014958.1</a></u> , <u><a href="#">AAH14958.1</a></u>
<b>RefSeq Size:</b>	1114 bp
<b>Locus ID:</b>	26228
<b>Cytogenetics:</b>	4q13.2
<b>Protein Families:</b>	Druggable Genome

**Gene Summary:**

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]