

## Product datasheet for **MG214977**

### **Bsph2 (NM\_001080942) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Tag:** TurboGFP  
**Symbol:** Bsph2  
**Synonyms:** 9230107M04Rik; Bsph2a  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**ORF Nucleotide Sequence:** >MG214977 representing NM\_001080942  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGAAGTGATGAGCCATCTTGTGCACTGGGTGTTCTAGCTGTCTACATGTATGAGCTGAATGCAGAAT  
TGATCTCTCATTACATCCTCCAGAACAAGAGATTTCTACTGATAGCTGTGTTTTCCATTTGTTTATGC  
TGATGGATTCCACTACAGTTGTATCTCCCTCCACAGTGACTATGATTGGTGTCTCTTGACTTTCAATTC  
CAAGGAAGGTGGCGGTACTGTACAGCACAGGATCCCCAAAGTGTATTTCCCTTTCCAATTCAAACAGA  
AGCTCATTAAGAAGTGCACCAAGGAGGGCTATATTTTGAATCGGAGTTGGTGTTCATTGACTGAAAAATTA  
CAACCAAGATGAAAAATGGAAGCAATGTTCTCCTAACCAATTTT

**ACGCGT**ACGCGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG214977 representing NM\_001080942  
Red=Cloning site Green=Tags(s)

MEVMSHLVHWVFLAVYMYELNAELISLHPPEQEISTDSCVFPFVYADGFHYSCISLHSDYDWCSLDFQF  
QGRWRYCTAQDPPKCIFFPFQFKQLIKKCTKEGYILNRSWCSLTENYNQDGKWKQCSNNF

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



**Cloning Scheme:**


**ACCN:** NM\_001080942

**ORF Size:** 393 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.

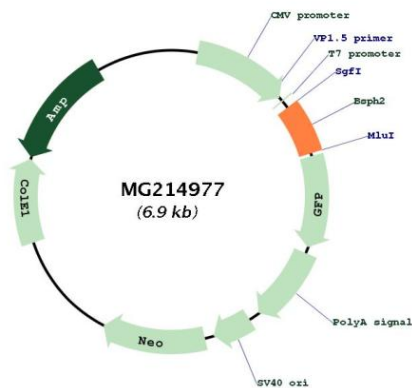
**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM\\_001080942.2](#), [NP\\_001074411.1](#)  
RefSeq Size: 530 bp  
RefSeq ORF: 396 bp  
Locus ID: 77684  
UniProt ID: [Q0Q236](#)

Cytogenetics: 7 A1

Gene Summary: Binds sperm in vitro but has no effect on sperm capacitation. Also binds gelatin and heparin, but not chondroitin sulfate B or phospholipid liposomes.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG214977