

## Product datasheet for **MG210723**

### **Smyd4 (BC095952) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Smyd4 (BC095952) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Smyd4
Synonyms:	G430029E23Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide  
Sequence:

>MG210723 representing BC095952  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGATCTACCGTGGATGAATGGAAGTCTACCTACTTAAGAAGTGGGCTTCACTCCCGAAGTCTGTGC  
AGGACACAATTTCTACAGCAGAGACTTTGAGCGACATCTCCTTCTTCTTCCCTTCTCAACCTGA  
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GCTCTACCAATGCCTTTGAGGATATAGCCCTGGGGGAAGAGAACAACAGATTTCTGGGCCTCCCTCT  
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CTGCAGGCCAACACCAGTGTGCTTCACTGGCACTGTGCCACCATCCGGGCAGCACAGAGGATCGCA  
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CAATGGGTTGGCAGTGCCTGAAGCTCTGAGTGCCATCTGGAAGGCAGAAAGGATCCTGTTGGTGCAGTGT  
GGCCCTGAGAGTGAGGAGTCCGGGAGCTCCGGGAAATGAGGTCTGCTTACTGGACTCGTCATTCTGCTC  
CTGTGGGGCCCTTGTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG210723 representing BC095952  
 Red=Cloning site Green=Tags(s)

```
MDLPVDEWKS YLLKKWASLPKSVQDTISTAETLSDIFLPSSSLLQPEDEMFLKELSSSYSV EKDYDAPLF
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LQPKMMVRKTECLVNLGRLQEARQTI SDLESSL TAKPTLV LSSYQILQRNVQHLKIKIQEKETLPEPVPA
ALTNAFEDIALGEENKQISGASLSVSLCTHPLKGRHLVATKDILPGELLVKEDAFVSVLIPGEMPRPHHC
LENKWDTRVTSGDLYCHRCLKHTLATVPCGSCSYAKYCSQECMQAWDL YHSTEC SLGGLLLTLGVFCHV
ALRMTLLARFEDVDRVVRMLCDEVGSTDTCLPESKNLVKAFDYTSQEESEEKSKI GEPPIPGCNVNGKYG
SNYNAIFSLLPHTEKHSPEHRFICAI SVSALCRQLKAASVQAQTLKSPKLVKAVTPGLCADLTVWGTAMLR
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KGQEILHCYGPHE SRMGVAERQQRLSSQYFFDCRCGACHAETLRAAAAPRWEAF CCKTCRALMQGNDVLS
CSNESCTNSVSRDQLVSR LQDLQQVCMAQKLLRTGKPEQAIQQLLR CREEAAESFLSAEHTVLGEIEDGL
AQAHATLGNWLKSAAHVQKSLQVVETR HGPSSVEIGHELFKLAQVLFNGLAVPEALSAIWKAERILLVHC
GPESEEVRELREMR SCLLDSSFPVGPLV
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



- 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:** [BC095952](#), [AAH95952](#)

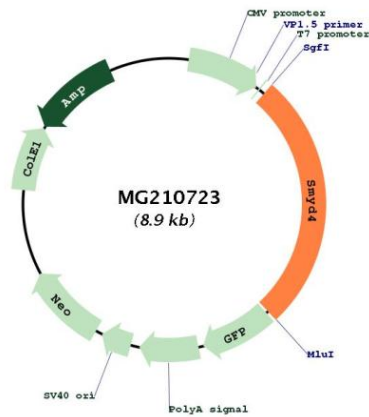
**RefSeq Size:** 3037 bp

**RefSeq ORF:** 2399 bp

**Locus ID:** 319822

**Cytogenetics:** 11 B5

**Product images:**



Circular map for MG210723