

## Product datasheet for **MG205726**

### St13 (NM\_133726) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	St13 (NM_133726) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	St13
Synonyms:	1110007I03Rik; 3110002K08Rik; AW555194; HIP; HOP; HSPABP; HSPABP1; p48; PRO0786; SNC6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205726 representing NM_133726 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATCCCCGCAAAGTGAGCGAGCTTCGGCCTTCGTGAAGATGTGTAGGCAGGACCCGAGCGTCCTGC  
ACACCGAGGAAATGCGCTTCCTAAGGGAGTGGGTGGAGAGCATGGGGGGAAAGTACCACCTGCTACTCA  
TAAAGCTAAGTCAGAAGAAAACCAAGGAAGAAAAAGAGACAAGACGACAGAGGAAAACATAAAGACA  
GAGGAGCTATCAAGCGAGGAGAGCGATCTAGAAATTGACAATGAAGGTGAATTGAACCAGACACTGATG  
CCCCTCAGGAAATGGGAGATGAAATGCAGAGATAACCGAGGAGATGATGGATGAAGCAAATGAGAAGAA  
GGGGCTGCCATTGAAGCCCTAAATGATGGTGAGCTCCAGAAAGCCATTGACTTGTTCACAGACGCCATC  
AAGCTCAATCCTCGTTGGCTATTCTGTACGCCAAGAGAGCCAGTGTCTTTGTCAAACACTACAGAAGCCAA  
ATGCTGCCATCCGAGACTGTGACAGAGCCATTGAAATAAACCCCTGATTCCGCTCAGCCATACAAATGGCG  
AGGAAAGCACACAGACTCTGGGTCACTGGGAGGAAGCAGCTCATGACCTTGCCCTTGCCCTGTAACACTG  
GATTATGACGAGGATGCCAGTGAATGCTGAGAGAAGTCCAACCTCGGGCTCAAAAAATTGCTGAACATC  
GGAGAAAGTATGAGCGAAAACGTGAAGAGCGAGAGATAAAGAACGGATAGAAAGGGTGAAGAAGGCTCG  
AGAAGAGCATGAGAGAGCCAAAGGGAAGAAGAAGCCAGAAGACAATCCGGATCTCAGTATGGCTTTTT  
CCAGGTGGTTTTCTGGGGAAATGCCTGGTAATTTCTGGAGGAATGCCTGGAATGGGAGGGGCCATGC  
CAGGAATGGCAGGGATGGCAGGGATGCCTGGACTCAACGAAATCCTCAGTATCCAGAGGTTCTTGCAGC  
CATGCAGGATCCAGAAGTCATGGTGGCTTCCAGGATGTGGCCCAAGCCATCAAAATATGTCAAATAT  
CAGAGCAACCCGAAGTTATGAATCTCATCAGTAAATTGTCAGCCAAGTTGGAGGCCAATCG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG205726 representing NM\_133726  
 Red=Cloning site Green=Tags(s)

MDPRKVELRAFVKMCRQDPSVLHTEEMRFLREWVESMGGKVPATHKAKSEENTKEEKRDKTEENIKT  
 EELSSEESDLEIDNEGVIEPDTDAPQEMGDENAEITEEMMDEANEKKGAAIEALNDGELQK AIDLFTDAI  
 KLNPRLA ILYAKRASVFVKLQKPNAAIRD CDRAIEINPDSAQPYKWRGKAHRL LGHWEEAAHDLALACKL  
 DYDEDASAMLRVQPRAQKIAEHRRKYERKREEREIKERI ERVKKAREEHERAQREEEARRQSGSQYGSF  
 PGGFPGGMPGNFPGGMPGMGGAMPGMAGMAGMPLNEILSDPEVLAAMQDPEVMVAFQDVAQNPSNMSKY  
 QSNPKVMNLISKLSAKFGGQS

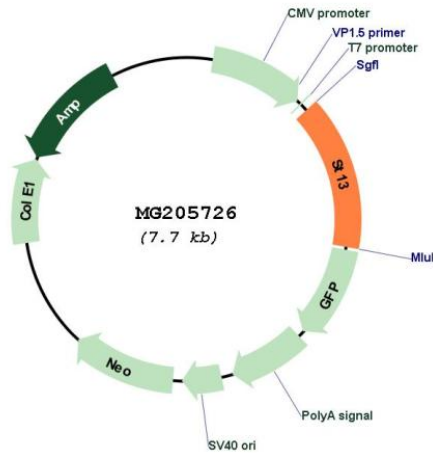
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_133726

<b>ORF Size:</b>	1113 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_133726.1</a>
<b>RefSeq Size:</b>	1622 bp
<b>RefSeq ORF:</b>	1116 bp
<b>Locus ID:</b>	70356
<b>UniProt ID:</b>	<a href="#">Q99L47</a>
<b>Cytogenetics:</b>	15 E1
<b>Gene Summary:</b>	One HIP oligomer binds the ATPase domains of at least two HSC70 molecules dependent on activation of the HSC70 ATPase by HSP40. Stabilizes the ADP state of HSC70 that has a high affinity for substrate protein. Through its own chaperone activity, it may contribute to the interaction of HSC70 with various target proteins (By similarity).[UniProtKB/Swiss-Prot Function]