

## Product datasheet for **RG201090**

### AMSH (STAMPB) (NM\_201647) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AMSH (STAMPB) (NM_201647) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AMSH
Synonyms:	AMSH; MICCAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201090 representing NM_201647 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCTGACCACGGAGATGTGAGCCTCCCGCCGAAGACCGGGTGAGGGCTCTCTCCAGCTGGGTAGTG  
CGGTAGAGGTGAATGAAGACATCCACCCGTCGGTACTCCGCTCTGGAGTTGAGATTATCCGAATGGC  
ATCCATTTACTCTGAGGAAGGCAACATTGAACATGCCTTCATCCTCTATAACAAGTATATCACGCTCTTT  
ATTGAGAACTACAAAACATCGAGATTACAAATCTGCTGTCATTCTGAAAAGAAAGACACAGTAAAGA  
AATTAAGGAGATTGCATTTCCAAAGCAGAAGAGCTGAAGGCAGAGCTGTTAAAACGATATACCAAAGA  
ATATACAGAATATAATGAAGAAAAGAAGAAGGAAGCAGAGGAATTGGCCCGGAACATGGCCATCCAGCAA  
GAGCTGGAAGGAAAAACAGAGGGTAGCACAACAGAAGCAGCAGCAATTGGAACAGGAACAGTTCCATG  
CCTTCGAGGAGATGATCCGGAACAGGAGCTAGAAAAAGAGCGACTGAAAATTGTACAGGAGTTTGGGAA  
GGTAGACCCTGGCCTAGGTGGCCCGCTAGTGCCTGACTTGAGAAAGCCCTCCTTAGATGTGTTCCACC  
TTAACAGTCTCATCCATACAGCCTTCAGACTGTCACACAAGTGAAGGCCAGCTAAGCCACCTGTGGTGG  
ACAGGTCCTTGAACCTGGAGCACTGAGCAACTCAGAAAGTATCCACAATCGATGGATTGCGCCATGT  
GGTGGTGCCTGGGCGGCTGTGCCACAGTTTCTCCAGTTAGCCAGTGCCAACACTGCCCGGGGAGTGGAG  
ACATGTGGAATTCTCTGTGAAAACCTGATGAGGAATGAATTTACCATTACCCATGTTCTCATCCCCAAGC  
AAAGTGCTGGGTCTGATTACTGCAACACAGAGAACGAAGAAGAACTTTTCCTCATACAGGATCAGCAGGG  
CCTCATCACTGGGCTGGATTCACTACCCACACAGACCGGTTTCTCTCCAGTGTGACCTACAC  
ACTCACTGCTCTTACCAGATGATGTTGCCAGAGTCAGTAGCCATTGTTTGTCCCCCAAGTTCCAGGAAA  
CTGGATTCTTTAACTAACTGACCATGGACTAGAGGAGATTTCTCTGTGCGCCAGAAAGGATTTTCATCC  
ACACAGCAAGGATCCACCTCTGTTCTGTAGCTGCAGCCACGTGACTGTTGTGGACAGAGCAGTGACCATC  
ACAGACCTTCGA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG201090 representing NM\_201647  
Red=Cloning site Green=Tags(s)

MSDHGDVSLPPEDRVRALSQLGSAVEVNEDIIPRRYFRSGVEIIRMASIYSEEGNIEHAFILYNKYITLF  
 IEKLPKHRDYKSAVIPEKKDVTVKLKEIAFPKAEELKAELLKRYTKEYTEYNEEKKEAEELARNMAIQQ  
 ELEKEKQRVAQQKQQLEQEQFHAFEEMIRNQELEKERLKIVQEFGKVDPLGGPLVPDLEKPSLDVFPT  
 LTVSSIQPSDCHTTVRPAKPPVDRSLKPGALSNSESIPTIDGLRHVVVPGRLCPQFLQLASANTARGVE  
 TCGILCGKLMRNEFTITHVLIPKQSAGSDYCNTEEEELFLIQDQQLITLGIWHTPTQTAFSSVDLH  
 THCSYQMLPESVAIVCSPKFQETGFFKLDHGLEEISSCRQKGFHPSKDPPLFCSCSHVTVDRAVTI  
 TDLR

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_201647

**ORF Size:** 1272 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.

**RefSeq:** [NM\\_201647.1](#), [NP\\_964010.1](#)

**RefSeq Size:** 1967 bp

**RefSeq ORF:** 1275 bp

**Locus ID:** 10617

**UniProt ID:** [O95630](#)

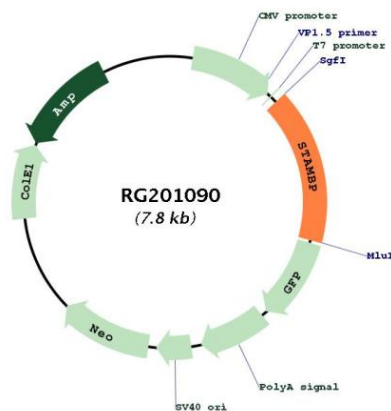
**Cytogenetics:** 2p13.1

**Protein Families:** Druggable Genome

**Protein Pathways:** Endocytosis

**Gene Summary:** Cytokine-mediated signal transduction in the JAK-STAT cascade requires the involvement of adaptor molecules. One such signal-transducing adaptor molecule contains an SH3 domain that is required for induction of MYC and cell growth. The protein encoded by this gene binds to the SH3 domain of the signal-transducing adaptor molecule, and plays a critical role in cytokine-mediated signaling for MYC induction and cell cycle progression. Multiple alternatively spliced transcript variants encoding the same protein isoform have been found for this gene. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for RG201090