

## Product datasheet for SC111753

### AMSH (STAMPB) (NM\_006463) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AMSH (STAMPB) (NM_006463) Human Untagged Clone
Tag:	Tag Free
Symbol:	AMSH
Synonyms:	AMSH; MICCAP
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111753 sequence for NM_006463 edited (data generated by NextGen Sequencing)

```

ATGTCTGACCATGGAGATGTGAGCCTCCCGCCGAAGACCGGGTGAAGGGCTCTCTCCAG
CTGGGTAGTGCAGGTAGAGGTGAATGAAGACATTCCACCCGTCGTACTIONTCCGCTCTGGA
GTTGAGATTATCCGAATGGCATCCATTTACTCTGAGGAAGGCAACATTGAACATGCCTTC
ATCCTCTATAACAAGTATATCACGCTCTTTATTGAGAACTACAAAACATCGAGATTAC
AAATCTGCTGTCACTTCTGAAAAGAAAGACACAGTAAAGAAATTAAGGAGATTGCATTT
CCCAAAGCAGAAGAGCTGAAGGCAGAGCTGTTAAAACGATATACCAAAGAATATACAGAA
TATAATGAAGAAAAGAAGAAGGAAGCAGAGGAATTGGCCCGAACATGGCCATCCAGCAA
GAGCTGAAAAGGAAAAACAGAGGGTAGCACACAGAAGCAGCAGCAATTGGAACAGGAA
CAGTTCCATGCCTTCGAGGAGATGATCCGGAACCAGGAGCTAGAAAAGAGCGACTGAAA
ATTGTACAGGAGTTTGGGAAGGTAGACCCCTGGCCTAGGTGGCCCGCTAGTGCCTGACTTG
GAGAAGCCCTCCTTAGATGTGTTCCCCACCTTAACAGTCTCATCCATACAGCCTTCAGAC
TGTCACACAACCTGAAGGCCAGCTAAGCCACCTGTGGTGGACAGGTCTTGAACCTGGA
GCACTGAGCAACTCAGAAAGTATCCCAACATCGATGGATTGCGCCATGTGGTGGTGCCT
GGGCGGCTGTGCCACAGTTTCTCCAGTTAGCCAGTGCCAACACTGCCCGGGGAGTGGAG
ACATGTGGAATTTCTGTGAAAACCTGATGAGGAATGAATTTACCATTACCCATGTTCTC
ATCCCCAAGCAAAGTGTGGGTCTGATTACTGCAACACAGAGAACGAAGAAGAATTTTC
CTCATACAGGATCAGCAGGGCCTCATCACTGGGCTGGATTCACTACCCACACAG
ACCGCGTTTCTCTCCAGTGTGACCTACACACTACTGCTCTTACCAGATGATGTTGCCA
GAGTCAGTAGCCATTGTTTGCTCCCAAGTTCAGGAACTGGATTCTTTAAACTAACT
GACCATGGACTAGAGGAGATTTCTCTGTGCGCCAGAAAGGATTTTCATCCACACAGCAAG
GATCCACCTCTGTTCTGTAGCTGCAGCCACGTGACTGTTGTGGACAGAGCAGTGACCATC
ACAGACCTTCGATGA

```

Clone variation with respect to NM\_006463.4



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**5' Read Nucleotide Sequence:**

```
>OriGene 5' read for NM_006463 unedited
TGTCAAATTTGTATACGACTCCTATAGGCGGCCCGCAATTCGCACGAGGCCTCGTGCCG
AATTCCGGCACGAGGGGAAAGAGCTGCATCCCCTTTTTGGAATTGCTCAACCAGGTGGTAA
CCGGCGCCGCTTCTGGCCTTGGGAGGTGGTTCCTTTCTTAACCCACAAGAACCTCTCCC
AACAGAATTGGTCTGATGTCTGACCATGGAGATGTGAGCCTCCGCCCCGAGACCGGG
TGAGGGCTCTCTCCAGCTGGGTAGTGGGTAGAGGTGAATGAAGACATTCCACCCCGTC
GGTACTTCGCTCTGGAGTTGAGATTATCCGAATGGCATCCATTACTCTGAGGAAGGCA
ACATTGAACATGCCTTTCCTCTATAACAAGTATATCACGCTCTTTATTGAGAACTAC
CAAAACATCGAGATTACAAATCTGCTGTATTCTGAAAAGAAAGACACAGTAAAGAAAT
TAAAGGAGATTGCATTTCCCAAAGCAGAAGAGCTGAAGGCAGAGCTGTTAAAACGATATA
CCAAAGAATATACAGAATATAATGAAGAAAAGAAGAAGGAAGCAGAGGAATTGGCCCGGA
ACATGGCCATCCAGCAAGAGCTGGAAAAGGAAAAACAGAGGTAGCACACAGAAGCAGC
AGCAATTGGAACAGGAACAGTTCATGCCTTCGAGGAGATGATCCGGAACCAGNAGCTAG
AAAAAGAGCGACTGANAATTGTACAGGAGTTGNGAAGGTAGACCCTGGCCCTAGTGCC
CGCTAGTGCCTGACTTGGAGAAGCCCTTTAGATGTGTTCCCCACCTTTACAGTCTCATC
CATACAGCCTTCAGACTGTCACACAACGTAAAGGCCAGCTAAGCCACCTGTGGTGGNACA
GGTCTTGAACCTGNNACTGAGCACTCAA
```

**3' Read Nucleotide Sequence:**

```
>OriGene 3' read for NM_006463 unedited
ACGCGGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTAAGTTAATTGTTACTTTA
TTGTAGAGGAAAAATATCCTGAATATTTATTAATAACAATAATCTCGACAAAATCATT
CTTCGGGATGTGTAGCCAAACAATCTGGTCAAATGGAGTAAGCTGTCCCTCACCCAGT
AATAAGCTCCATTCATATTGCCATAAACACAGGAAAATCCAAAAGATTTTCTAAATGGC
TTCCAAATTTCTGCACAGATGCCCTTATTGAGCCAGAGGTAAATATAACAAATTGAAA
TTAGAGAGAAATTAGAAGGATAGCTGAGAGGAAAAAATGTTAACAATTGGTGAATCCAG
AAGGAAGGGTATATGGGGTTCATTATACCATTCTTTCTTAATTTCTGAGCTACTTAATT
TCTGAGTAACTTAATTTCTGAGTTACAGTTGCTTTTGGGTGACCATGTTCTTTCTGAC
TTGCCTAAAAAATATGTTCAAGTTATTTCTTTTCAAACCTGAAATACAAAATCAGCTCTTT
CTCAGGTGATGCCCCCTTTCTACTATCTACAAAACCTCCAAAGCTTTCTAGAAAGCTT
AAATTAAGGGGCTACAGTACACTGATATGGTTTTGTTGTTCTTGGAAAGGTGTTGGACTCA
AACGCTCATCGAAGGCTGTGTATGGTCACTGCTCTGCCACAACAGTCACGTGGCTGCAC
CTACAGAACAGAGGTGGATCCTTGCTGTGGATGAAATCCTTTCTGGCGACAGGAAGAA
ATCTCCTCTAGTCCATGGTCAGTTAGTTTAAAAGATCCAGNTTCTGAACTTGGGGGAG
CAAACATGGCTACTGACTCTGGCACATCATCTGGTAGAGCANNTGAGTGTGTAGTCGACA
CTGAGAAAACGCGGCTGTGTGGGTGAGATGAATCAC
```

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_006463

**Insert Size:**

2090 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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\\_006463.3](#), [NP\\_006454.1](#)

**RefSeq Size:** 2106 bp

**RefSeq ORF:** 1275 bp

**Locus ID:** 10617

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

**Cytogenetics:** 2p13.1

**Domains:** JAB\_MPN

**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]

Transcript Variant: This variant (1) differs in the 5' UTR compared to variant 3. Variants 1, 2 and 3 encode the same protein.