

Product datasheet for **SC321959**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC321959
 GGTGGGGCAGGGCCTCCGAGCGTGGTTGGACTTTGAAGGGGATCGGCCGCCGTGAGTGTG
 GGGCCTGCAGCCTACTCTCCCGAGTCCCCTGCCCGGCCTGCCTCGCTCGAGGCACCCGA
 CGGCTTCTGTCTCCGCGGGCTGGCGCCTGACCAGCCAGGCCAGCGGTTCCCGCCTACT
 GCATTTGAAAGATCCCGAAAACCTGGATGATTGTGCCTGGGGTTGGCAAGTTCGTCTTG
 AGTGCCTCAAGAAGGGTCTCAAGCAGTTGTCGATAGAGCCCTCCCTACTGTATACGC
 CCCCTCCGCTTATTCTGTACTTCTCTTCTCCTCCTCGTATTTCCCGCTCGGTCCTTTA
 CGCCGCCTTTCCCGCTCATTGCGAGATGCTGCATCCCCTTTTTGGAATTGCTCAACCAGG
 TGTAACCGCGCCGCTTCTGGCCTTGGGAGGTGGTTCTTTCTTAACCCACAAGAACC
 TCTCCCAAGAGAACTTGGTCTGATGTCTGACCATGGAGATGTGAGCCTCCCGCCGAAG
 ACCGGGTGAGGGCTCTCTCCAGCTGGGTAGTGCGGTAGAGGTGAATGAAGACATTCCAC
 CCCGTCGGTACTTCCGCTCTGGAGTTGAGATTATCCGAATGGCATCCATTACTCTGAGG
 AAGGCAACATTGAACATGCCTTCATCTCTATAACAAGTATATCACGCTCTTTATTGAGA
 AACTACAAAACATCGAGATTACAAATCTGCTGTCATTCTGAAAAGAAAGACACAGTAA
 AGAAATTAAGGAGATTGCATTTCCCAAAGCAGAAGAGCTGAAAGGCAGAGCTGTTAAAC
 GATATACCAAAGAATATACAGAATATAATGAAGAAAAGAAAGGAAGCAGAGGAATTGG
 CCCGGAACATGGCCATCCAGCAAGAGCTGGAAGGAAAAGAAAACAGAGGGTAGCACAAACA
 AGCAGCAGCAATTGGAACAGGAACAGTTCATGCCTTCGAGGAGATGATCCGGAACCAGG
 AGCTAGAAAAAGAGCGACTGAAAATTGTACAGGAGTTTGGGAAGGTAGACCCTGGCCTAG
 GTGGCCCGCTAGTGCCTGACTTGGAGAAGCCCTCCTTAGATGTGTTCCCCACCTAACAG
 TCTCATCCATACAGCCTCAGACTGTACACAAGTGAAGGCCAGCTAAGCCACCTGTGG
 TGGACAGGTCTTGAAACCTGGAGCACTGAGCAACTCAGAAAGTATTCCACAATCGATG
 GATTGCGCCATGTGGTGGTGCCTGGGCGGCTGTGCCACAGTTTCTCCAGTTAGCCAGT
 CCAACACTGCCCGGGAGTGGAGACATGTGAATTCTCTGTGAAAAGTATGAGGAATG
 AATTTACCATTACCCATGTTCTCATCCCAAGCAAAGTGTGGGTCTGATTACTGCAACA
 CAGAGAACGAAGAAGAACTTTTCTCATACAGGATCAGCAGGGCCTCATCACACTGGGCT
 GGATTCATACTACCCACACAGACCGGTTTCTCTCCAGTGTGACCTACACACTCACT
 GCTCTTACCAGATGATGTTGCCAGAGTCAGTAGCCATTGTTGCTCCCAAGTTCAGG
 AAAGTGGATTCTTAAACTAACTGACCATGGACTAGAGGAGATTTCTCTGTGCGCCAGA
 AAGGATTTATCCACACAGCAAGGATCCACCTCTGTTCTGTAGCTGCAGCCACGTGACTG
 TTGTGGACAGAGCAGTGACCATCACAGACCTTCGATGAGCGTTTGTAGTCCAACACCTTC
 AAGAACAACAAAACCATATCAGTGTACTGTAGCCCTTAATTTAAGCTTTCTAGAAAGCT
 TTGGAAGTTTTGTAGATAGTAGAAAGGGGGCATCACCTGAGAAAGAGCTGATTTTGTA
 TTTGAGTTTGAAGAAATAACTGAACATATTTTTAGGCAAGTCAGAAAGAGAACATG
 GTCACCCAAAAGCAACTGTAACCTCAGAAATTAAGTTACTCAGAAATTAAGTAGCTCAGAA
 ATTAAGAAAGAATGGTATAATGAACCCCATATACCCTTCTTCTGGATTCACCAATTGT
 TAACATTTTTTCTCTCAGCTATCCTTCTAATTTCTCTAATTTCAATTTGTTTATAT
 TTACCTCTGGGCTCAATAAGGGCATCTGTGCAGAAATTTGGAAGCCATTTAGAAAATCTT
 TTGGATTTTCTGTGTTTATGGCAATATGAATGGAGCTTATTACTGGGGTGAGGGACAG
 CTTACTCCATTTGACCAGATTGTTGGCTAACACATCCCGAAGAATGATTTTGTACAGGAA
 TTATTGTTATTTAATAAATTTTTCAGGATATTTTCTCTACAATAAAGTAAACAATTAAC
 TTAATAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_006463

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 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](#)

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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.