

Product datasheet for **RG209475**

AMSH (STAMPB) (NM_006463) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AMSH (STAMPB) (NM_006463) 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:	>RG209475 representing NM_006463 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGACCATGGAGATGTGAGCCTCCCGCCGAAGACCGGGTGAAGGGCTCTCTCCAGCTGGGTAGTG
CGGTAGAGGTGAATGAAGACATCCACCCCGTCGGTACTTCCGCTCTGGAGTTGAGATTATCCGAATGGC
ATCCATTTACTCTGAGGAAGGCAACATTGAACATGCCTTCATCCTCTATAACAAGTATATCACGCTCTTT
ATTGAGAACTACAAAACATCGAGATTACAAATCTGCTGTCATTCTCTGAAAAGAAAGACACAGTAAAGA
AATTAAGGAGATTGCATTTCCCAAAGCAGAAGAGCTGAAGGCAGAGCTGTTAAAACGATATACCAAAGA
ATATACAGAATATAATGAAGAAAAGAAGAAGGAAGCAGAGGAATTGGCCCGGAACATGGCCATCCAGCAA
GAGCTGGAAAAGGAAAAACAGAGGGTAGCACAACAGAAGCAGCAGCAATTGGAACAGGAACAGTTCCATG
CCTTCGAGGAGATGATCCGGAACAGGAGCTAGAAAAAGAGCGACTGAAAATTGTACAGGAGTTTGGGAA
GGTAGACCCTGGCCTAGGTGGCCCGCTAGTGCCTGACTTGAGAAAGCCCTCCTTAGATGTGTTCCCAACC
TTAACAGTCTCATCCATACAGCCTTCAGACTGTACACAAGTGAAGGCCAGCTAAGCCACCTGTGGTGG
ACAGGTCCTTGAACCTGGAGCACTGAGCAACTCAGAAAGTATCCACAATCGATGGATTGCGCCATGT
GGTGGTGCCTGGGCGGCTGTGCCACAGTTTCTCCAGTTAGCCAGTGCCAACACTGCCGGGGAGTGGAG
ACATGTGGAATTCTCTGTGAAAACCTGATGAGGAATGAATTTACCATTACCCATGTTCTCATCCCCAAGC
AAAGTGCTGGGTCTGATTACTGCAACACAGAGAACGAAGAAGAACTTTTCCTCATACAGGATCAGCAGGG
CCTCATCACTGGGCTGGATTCACTACCCACACAGACCGGTTTCTCTCCAGTGTGACCTACAC
ACTCACTGCTCTTACCAGATGATGTTGCCAGAGTCAGTAGCCATTGTTTGTCTCCCAAGTTCCAGGAAA
CTGGATTCTTTAACTAACTGACCATGGACTAGAGGAGATTTCTCTGTGCGCCAGAAAGGATTTTCATCC
ACACAGCAAGGATCCACCTCTGTTCTGTAGCTGCAGCCACGTGACTGTTGTGGACAGAGCAGTGACCATC
ACAGACCTTCGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG209475 representing NM_006463
Red=Cloning site Green=Tags(s)

MSDHGDVSLPPEDRVRALSQLGSAVEVNEDIPPRRYFRSGVEIIRMASIYSEEGNIEHAFILYNKYITLF
 IEKLPKHRDYKSAVIPEKKDVTVKLKEIAFPKAEELKAELLKRYTKEYTEYNEEKKKEAEELARNMAIQQ
 ELEKEKQRVAQQKQQQLEQE QFHAFEEMIRNQELEKERLKIVQEF GKVDPGLGGPLVPDLEKPSLDVFPT
 LTVSSIQPSDCHTTVRPAKPPVVDRSLKPGALSNSESIPTIDGLRHVVVPGRLCPQFLQASANTARGVE
 TCGILCGKLMRNEFTITHVLIPKQSAGSDYCNTEEEELFLIQDQQLITLGIWHTHTPTQT AFLSSVDLH
 THCSYQMLPESVAIVCSPKFQETGFFKLDHGLEEISSCRQKGFPHSKDPPLFCSCSHVTVDRAVTI
 TDLR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006463

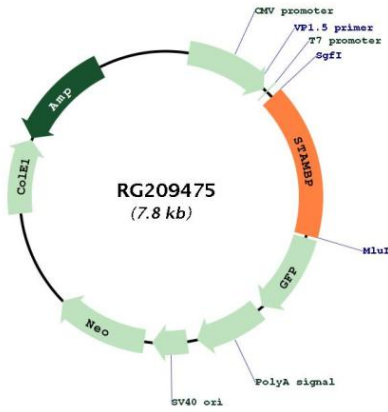
ORF Size: 1272 bp

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 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 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:	<ol style="list-style-type: none">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_006463.5
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]

Product images:



Circular map for RG209475