

## Product datasheet for **RC217643**

### AMSH (STAMBP) (NM\_213622) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AMSH (STAMBP) (NM_213622) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	AMSH
Synonyms:	AMSH; MICCAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>RC217643 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGTCTGACCATGGAGATGTGAGCCTCCCGCCGAAGACCGGGTGAAGGCTCTCTCCAGCTGGGTAGTG  
CGGTAGAGGTGAATGAAGACATTCACCCCGTCCGTACTTCCGCTCTGGAGTTGAGATTATCCGAATGGC  
ATCCATTTACTCTGAGGAAGCAACATTGAACATGCCTTCATCCTCTATAACAAGTATATCACGCTCTTT  
ATTGAGAACTACCAAAACATCGAGATTACAAATCTGCTGTCTTCTGAAAAGAAAGACACAGTAAAGA  
AATTAAGGAGATTGCATTTCCAAAGCAGAAGAGCTGAAAGCAGAGCTGTTAAAACGATATACCAAGA  
ATATACAGAATATAATGAAGAAAAGAAGAAGGAAGCAGAGGAATTGGCCCGAACATGGCCATCCAGCAA  
GAGCTGAAAAGGAAAACAGAGGGTAGCACACAGAAGCAGCAGCAATTGGAACAGGAACAGTTCCATG  
CCTTCGAGGAGATGATCCGGAACCAGGAGCTAGAAAAGAGCGACTGAAAATTGTACAGGAGTTGGGAA  
GGTAGACCCTGGCTAGGTGGCCGCTAGTGCCTGACTTGAGAAGCCCTCCTTAGATGTGTTCCCACC  
TTAACAGTCTCATCCATACAGCCTTCAGACTGTACACAAGTAAAGCCAGCTAAGCCACTGTGGTGG  
ACAGGTCCTTGAACCTGGAGCACTGAGCAACTCAGAAAGTATCCACAAATCGATGGATTGCGCCATGT  
GGTGGTGCTGGGCGGCTGTGCCACAGTTTCTCCAGTTAGCCAGTGCCAACTGCCCGGGGAGTGGAG  
ACATGTGGAATTCTGTGGAAAAGTATGAGGAATGAATTTACCATTACCCATGTTCTCATCCCAAGC  
AAAGTGTGGGTCTGATTACTGCAACACAGAGAACGAAGAAGAACTTTTCTCATACAGGATCAGCAGGG  
CCTCATCACACTGGGCTGGATTCATACTACCCACACAGACCGGTTTCTCTCCAGTGTGACCTACAC  
ACTCACTGCTCTTACCAGATGATGTTGCCAGAGTCAGTAGCCATTGTTTGCTCCCAAGTCCAGGAAA  
CTGGATTTTAACTAACTGACCATGGACTAGAGGAGATTTCTCTGTCGCCAGAAAGGATTTTCATCC  
ACACAGCAAGGATCCACCTCTGTTCTGTAGCTGCAGCCACGTGACTGTTGTGGACAGAGCAGTGACCATC  
ACAGACCTTCGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

## Protein Sequence:

>RC217643 protein sequence  
Red=Cloning site Green=Tags(s)

MSDHGDVSLPPEDRVRALSQLGSAVEVNEDIIPRRYFRSGVEIIRMASIYSEEGNIEHAFILYNKYITLF  
IEKLPKHRDYKSAVIPEKKDVTVKLKEIAFPKAEELKAELLKRYTKEYTEYNEEKKEAEELARNMAIQQ  
ELEKEKQ RVAQQKQQLEQEQFHAFEEMIRNQELEKERLKIVQEFGKVDPLGGPLVPDLEKPSLDVFPT  
LTVSSIQPSDCHTTVRPAKPPVDRSLKPGALSNSESIPTIDGLRHVVVPGRLCPQFLQLASANTARGVE  
TCGILCGKLMRNEFTITHVLIPKQSAGSDYCNTENEEELFLIQDQQLITLGIHTHTPTQTAFLSSVDLH  
THCSYQMMLPESVAIVCSPKFQETGFFKLDHGLEEISSCRQKGFHPSKDPPLFCSCSHVTVDRAVTI  
TDLR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

## Chromatograms:

[https://cdn.origene.com/chromatograms/mk6573\\_c06.zip](https://cdn.origene.com/chromatograms/mk6573_c06.zip)

## Restriction Sites:

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_213622

**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\\_213622.4](#)

**RefSeq Size:** 6709 bp

**RefSeq ORF:** 1275 bp

**Locus ID:** 10617

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

**Cytogenetics:** 2p13.1

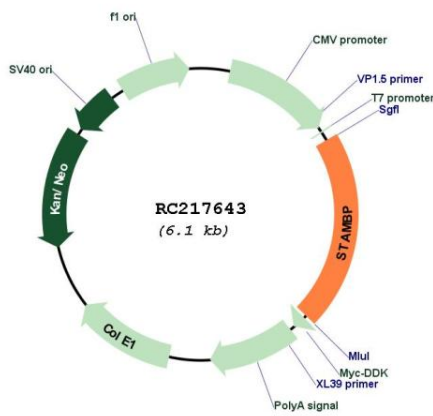
**Protein Families:** Druggable Genome

**Protein Pathways:** Endocytosis

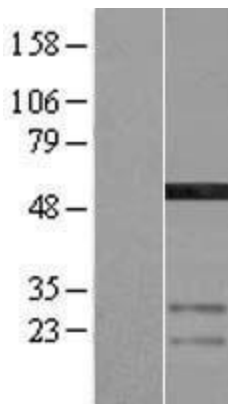
**MW:** 48.1 kDa

**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]

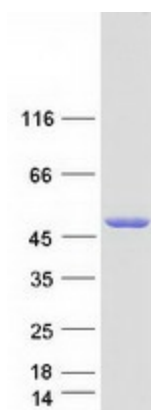
**Product images:**



Circular map for RC217643



Western blot validation of overexpression lysate (Cat# [LY403869]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC217643 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified STAMPB protein (Cat# [TP317643]). The protein was produced from HEK293T cells transfected with STAMPB cDNA clone (Cat# RC217643) using MegaTran 2.0 (Cat# [TT210002]).