

Product datasheet for **MR206746**

Stampb (NM_024239) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stampb (NM_024239) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stampb
Synonyms:	5330424L14Rik; 5730422L11Rik; Amsh; AW107289; mKIAA4198
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR206746 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCTGACCATGGGATGTGAGCCTCCCACCCAAAGACCGGGTGAAGATTCTGTCCCAACTGGGAGTG
 CAGTTGAGTTAAATGAAGACATTCCACCCGTCGCTACTACCGCTCCGGTGTGAGATCATCCGCATGGC
 GTCGGTTTACTCGGAAGAAGCAACATTGAACATGCCTTTATCCTCTACAACAAGTACATCACGCTGTTT
 ATTGAAAACTTCGAAACACCGAGACTACAAATCAGCTATCATTCTGAGAAGAAAGATGCCGTCGAAGA
 AATTAAGAGCGTCGCTTCCCTAAAGCGGAAGAGCTGAAGACAGAGCTTTGAGAAGATACACCAAGA
 ATATGAGCAGTATAAAGAGCGAAAGAAAAAGGAAGAAGAGGAACCTGCCCGAAATATCGCCATCCAGCAA
 GAGTTGAAAAAGAAAAACAGAGGGTGTCTCAGCAGAAGCAGAAGCAGCTAGAGCAGGAGCAATCCATG
 CCTTTGAGGAGATGATCCAGAGGCAGGAGCTGGAAAAAGAACGGGTGAAAATTGTTCAAGAGTTCGGGAA
 GGTAGACCCTGGCCCTCGGGCTCTGCTCCCTGATCTGAAAAGCCTTGTTGATAGTGGCCCCCAGC
 TACCGTTCTCGCCACGCAGACTCCAGACTGTAAACACAGGCATGAGGCCAGCTAAGCCACCTGTGGTGG
 ACAGGTCCTGAAACCTGGAGCGTTAAGCGTCATAGAAAATGTTCCACCATTAAGGCCTGCGCCACAT
 CGTGGTCCCCGTAATCTGTGCTCAGAAATTTCTCCAGCTTCCAGTGCCAATACCGCCAAAGGCATTGAA
 ACCTGTGGAGTCTCTGTGAAAACCTGATGAGAAATGAATTCACAATCACACATGTTCTCATCCCCAGAC
 AAAATGGTGGCCTGATTATTGCCACACGGAGAATGAAGAAGAAATTTCTTTATGCAGGATGACCTTGG
 ACTCCTCACTCTTGGCTGGATCCATACTCATCAACCCAAACGGCCTTTCTGTCCAGTGTGGATCTCCAC
 ACTCACTGCTCTACAAATGATGTTACCAGAGTCCATCGCAATCGTCTGTTCCCAAAGTTCAGAGAAA
 CTGGATTCTTTAAGCTAACTGACTATGGTCTTCAAGAGATTTCAACCTGCCGGCAGAAAGGCTTTCACCC
 CCATGGCAGAGACCCACCGCTGTTCTGTGACTGCAGCCATGTCACTGTCAAGGACAGAATTGTGACGATC
 ACAGACCTTCGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206746 protein sequence
 Red=Cloning site Green=Tags(s)

MSDHGDVSLPPQDRVRIQLGSAVELNEDIPPRRYRSGVEIIRMSVYSEEGNIEHAFILYNKYITLF
 IEKLPKHRDYKSAIPEKKDAVKLKSVAFPKAEELKTELLRRYTKEYEQYKERKKKEEELARNIAIQQ
 ELEKEKQRVAQQKQKLEQEQFHAFEEMIQRQELEKERLKIVQEFGKVDPGPCGPLLPDLEKPCVDVAPS
 SPFSPTQTPDCNTGMRPAKPPVDRSLKPGALSVIENVPTIEGLRHIVVPRNLCSEFLQLASANTAKGIE
 TCGVLCGKLMRNEFTITHVLI PRQNGGPDYCHTENEEEIFFMQDDLGLLTLGWIHTHTPTQTAFLLSSVDLH
 THCSYQMMLPESIAIVCSPKFQETGFFKLDYGLQEISTCRQKGFHPHGRDPPLFCDCSHVTVKDRIVTI
 TDLR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_024239

ORF Size: 1275 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_024239.1](#)

RefSeq Size: 2157 bp

RefSeq ORF: 1275 bp

Locus ID: 70527

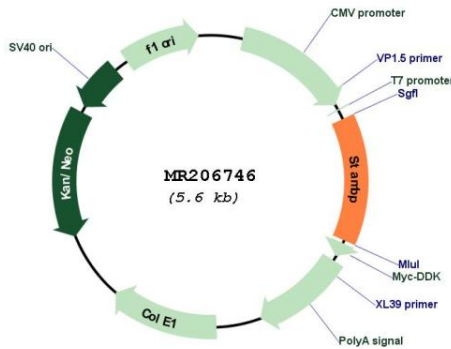
UniProt ID: [Q9CQ26](#)

Cytogenetics: 6 C3

MW: 48.5 kDa

Gene Summary: Zinc metalloprotease that specifically cleaves 'Lys-63'-linked polyubiquitin chains. Does not cleave 'Lys-48'-linked polyubiquitin chains (By similarity). Plays a role in signal transduction for cell growth and MYC induction mediated by IL-2 and GM-CSF. Potentiates BMP (bone morphogenetic protein) signaling by antagonizing the inhibitory action of SMAD6 and SMAD7 (By similarity). Involved in the ubiquitin-dependent sorting and trafficking of receptors from endosomes to lysosome. Endosomal localization of STAMPB is required for efficient EGFR degradation but not for its internalization. Involved in the negative regulation of PI3K-AKT-mTOR and RAS-MAP signaling pathways (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206746