

Product datasheet for **MC200425**

Stampb (NM_024239) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stampb (NM_024239) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Stampb
Synonyms:	5330424L14Rik; 5730422L11Rik; Amsh; AW107289; mKIAA4198
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC003497 sequence for NM_024239
 CCCACGCGTCCGCTCTGACTGTCATCCTTCACGAAAGAACTTATTTGTCCAATGTCTGACCATGGGGATG
 TGAGCCTCCCACCCCAAGACCGGGTGAAGATTCTGTCCCAACTTTGGGAGTGCAGTTGAGTTAAATGAAGA
 CATTCCACCCCGTCGCTACTACCGCTCCGGTGTGAGATCATCCGCATGGCGTCCGTTTACTCGGAAGAA
 GGCAACATTGAACATGCCTTTATCCTCTACAACAAGTACATCACGCTGTTTATTGAAAAACTTCCGAAAC
 ACCGAGACTACAAATCAGCTATCATTCTGAGAAGAAAGATGCCGTCAAGAAATTAAGAGCGTCCGCTTT
 CCCTAAAGCGGAAGAGCTGAAGACAGAGCTCTTGAGAAGATACACCAAAGAATATGAGCAGTATAAAGAG
 CGAAAGAAAAAGGAAGAAGAGGAACTTGCCCGAAATATCGCCATCCAGCAAGAGTTGGAAAAAGAAAAAC
 AGAGGGTTGCTCAGCAGAAGCAGAAGCAGCTAGAGCAGGAGCAATTCCATGCCTTTGAGGAGATGATCCA
 GAGGCAGGAGCTGAAAAAGAACGGCTGAAAAATTGTTCAAGAGTTCGGGAAGGTAGACCCTGGCCCTGC
 GGGCCTCTGCTCCCTGATCTGAAAAAGCCTTGTGTAGATGTGGCCCCAGCTCACCGTTCTCGCCACGC
 AGACTCCAGACTGTAACACAGGCATGAGGCCAGCTAAGCCACCTGTGGTGGACAGGTCCCTGAAACCTGG
 AGCGTTAAGCGTCATAGAAAATGTTCCACCATTGAAGGCCTGCGCCACATCGTGGTCCCGCTAATCTG
 TGCTCAGAATTTCTCCAGCTTGCCAGTGCCAATACCGCCAAAGGCATTGAAACCTGTGGAGTCTCTGTG
 GAAAATGATGAGAAATGAATTCACAATCACACATGTTTCTCATCCCAGACAAAAATGGTGGGCTGATTA
 TTGCCACACGGAGAATGAAGAAGAAATTTCTTTATGCAGGATGACCTTGGACTCCTCACTCTTGGCTGG
 ATCCATACTCATCAACCCAAACGGCCTTTCTGTCCAGTGTGGATCTCCACACTCACTGCTCCTACCAAA
 TGATGTTACCAGAGTCCATCGCAATCGTCTGTTCCCAAAGTTCCAGGAAACTGGATTCTTTAAGCTAAC
 TGACTATGGTCTTCAAGAGATTTCAACCTGCCGGCAGAAAGGCTTTCACCCCATGGCAGAGACCCACCG
 CTGTTCTGTGACTGCAGCCATGTCACTGTCAAGGACAGAATTGTGACGATCACAGACCTTCGATAAATCT
 CAAATCATGAACCAGGGAGATGGATCACTGGGTAACAGCACTTGTACCAAGCCCAACAGCCAGGCTCA
 GTTCTTTGGGACCCACATGGTAGAAGGAGTGTACCGACATTCACCCCAAGTTGTCTCTAACCTCCACATGT
 GTGCTGTGGTATGTGTGTTCTCACGTGTGTGCACATACACACACACACGCATATCAATTAATTTAAAA
 AGCGAATAAATGTAAATTATAAAAAAGAGTCTACCCCCCTTTAAGCTGCATATCCCGTTTCAAGTTTATTG
 CCCCCATGGAGTTGAGTAAGCTTTTAAGACAGGATAGGAAAGGGTCAACACTAAGGGGAGACTGTTGTTG
 TTG
 GAAAATGACCAAAATCACACCAAGCAACTAACTCAAAAATTAGGATGCAAGAGAAAATACTTCTCTAGATC
 CAAACTGACCCTTCTGTTCTTGAATTTACCTCCCAACTTGTTCATCTCTGCCTTTGGACTAAATA
 GGGGCATCTGTGCAAACTGTAGAAGCCATTTGAAGGATTTGGCTTTTTATTGTTTGTGGCATTAAATA
 GGGAGCTTACCATTCTGGTGGGATGTGCATGAGGCGTTCACAGCCCCATACATGGATCTTGTTTAAAGT
 GTATTATTTAAAAGGTCAGGGTGTATTTTCTTATAATAAAACAGCTCACTTGTGTTGTGCTCCAGAG
 TGAIAAAAAAAAAAAAAAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_024239
- Insert Size:** 1275 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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: [BC003497](#), [AAH03497](#)

RefSeq Size: 2122 bp

RefSeq ORF: 1275 bp

Locus ID: 70527

UniProt ID: [Q9CQ26](#)

Cytogenetics: 6 C3

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]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. All four variants encode the same protein.