

Product datasheet for **MR208668**

Stip1 (NM_016737) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Stip1 (NM_016737) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Stip1 |
| Synonyms: | Hop; p60; Sti1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide Sequence:

>MR208668 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCAGGTGAATGAGCTAAGGAGAAGGGCAATAAGGCCCTGAGTGTGGGAACATTGATGATGCCT
 TACAGTGTACTCTGAGGCAATTAAGTATAGATCCCCAGAACCATGTGCTCTACAGCAATCGCTCTGCAGC
 CTACGCCAAGAAAGGAGACTACCAGAAGCCCTATGAGGACGGCTGCAAGACTGTTGACCTGAAGCCTGAC
 TGGGGCAAGGTTATTCAAGAAAAGCCGACGCCCTTGAATTCCTAAACCGGTTTGGAGGAAGCCAAACGAA
 CCTATGAAGAAGGTTTAAACATGAAGCAATAATGTCCAGCTCAAGGAGGGCTTGACAGAACATGGAGGC
 CAGGCTGGCAGAGAGAAATTCATGAATCCATTCAACTGCCTAATCTATACAAAAGTTGGAAAACGAC
 CCCAGGACAAGGTCGCTGCTCAGTGACCCACCTACAGGGAGCTCATAGAACAGCTGCAGAACAGCCGT
 CAGACCTGGGCACGAACTACAGGATCCCCGGGTGATGACTACTCTCAGTGTCTCTTGGGGTTGATCT
 GGGCAGCATGGATGAAGAGGAAGAGGCAGCAACACCCCAACCCCACTCTCCAAAAAGGAGCCCAAG
 CCAGAACCAATGGAAGAAGATCTTCAGAGAATAAGAAACAGGCACTGAAAGAGAAGGAGCTGGGAAATG
 ATGCCTACAAGAAGAAAGATTTTGACAAGGCCCTGAAGCATTATGACAGAGCCAAGGAAGCTGGACCCAC
 CAACATGACCTACATAACTAATCAAGCAGCTGTGCACTTTGAGAAGGGCGACTATAACAAATGCCGGGAG
 CTCTGTGAGAAGGCCATTGAAGTGGCAGAGAAAACCGAGAGGACTACCGGCAGATCGCCAAAGCTTATG
 CCCGATTGGCAATTCCTATTTCAAAGAAGAAAAGTACAAGGATGCTATACATTTCTACAACAAGTCTCT
 AGCAGAGCACCGAACCCAGATGTGCTCAAGAAGTGCCAGCAGGCAGAGAAAATTCTGAAGGAACAGGAG
 CGTTGGCTTATATCAACCTGACTTGGCTTTGGAGGAGAAGAACAAGGGCAACGAATGCTTCCAGAAAG
 GGGACTACCCCAAGCCATGAAGCACTATACAGAAGCCATTAAGGAACCCGAGAGATGCCAAACTGTA
 CAGCAACCGAGCTGCCTGCTACACCAAGCTCCTGGAGTTTCAGCTGGCACTCAAGGACTGTGAGGAGTGC
 ATCCAGCTAGAGCCAACCTTCATCAAGGTTATACACGGAAGCAGCTGCTCTGGAAGCCATGAAGGACT
 ATACAAAAGCCATGGATGTGTACAAAAAGCGTTAGACCTGGACTCCAGCTGTAAGGAAGCAGCAGATGG
 TTACCAACGCTGTATGATGGCACAGTACAACAGACATGATAGCCCTGAGGATGTGAAGCGGGGCCATG
 GCTGACCTGAGGTGCAGCAGATAATGAGTGACCCAGCCATGAGACTCATCTGGAGCAGATGCAAAAGG
 ACCCCAGGCTCTGAGCGAACACTTAAGAACCCTGTAATAGCGCAGAAGATCCAGAAGCTGATGGATGT
 GGGTCTCATCGCAATTCGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208668 protein sequence
 Red=Cloning site Green=Tags(s)

MEQVNELKEKGNKALSAGNIDDALQCYSEAIKLDPQNHVLYSNRSAAYAKKGDYQKAYEDGCKTVLDLKP
 WGKGYSRKAAALEFLNRFEEAKRTYEEGLKHEANNVQLKEGLQNMEARLAERKFMNPNLPLNYQKLEND
 PRTRSLSDPTYRELIEQLQNKPSDLGKLGQDPRVMTTLLSVLLGVDLGSMDEEEEATPPPPPPPKKEPK
 PEPMEEDLPENKKQALKEKELGNDAYKKKDFDKALKHYDRAKELDPTNMTYITNQAAVHFEEKGDYKNCRE
 LCEKAIIEVGRENREDYRQIAKAYARIGNSYFKEEKYKDAIHFYKSLAEHRTPDVLLKCCQQAEEKILKEQE
 RLAYINPDLALEEKNKGNECFQKGDYPQAMKHYTEAIKRNPRDAKLYSNRAACYTKLLEFQLALKDCEEC
 IQLEPTFIKGYTRKAAALEAMKDYTKAMDVYQKALDLSSCKEADGYQRCMAQYNRHDSPEVDKRRAM
 ADPEVQQIMSDPAMRLILEQMOKDPQALSEHLKNPVIAQKIQKLMVGLIAIR

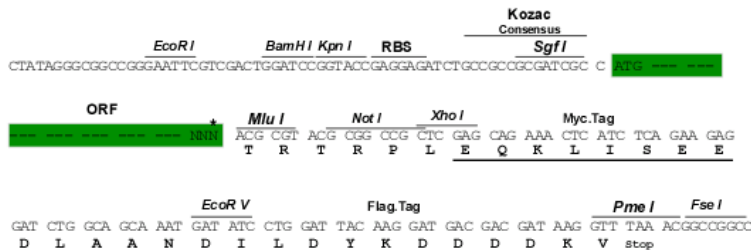
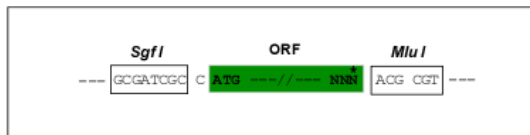
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_016737

ORF Size: 1632 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_016737.1](#), [NM_016737.2](#), [NP_058017.1](#)
RefSeq Size: 2173 bp

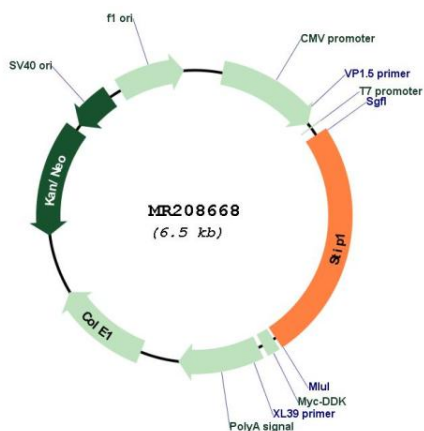
RefSeq ORF: 1632 bp

Locus ID: 20867

UniProt ID: [Q60864](#)

Cytogenetics: 19 A
 MW: 62.6 kDa
 Gene Summary: Acts as a co-chaperone for HSP90AA1. Mediates the association of the molecular chaperones HSPA8/HSC70 and HSP90.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208668