

Product datasheet for **RR213353**

Lats2 (NM_001107267) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lats2 (NM_001107267) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lats2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR213353 representing NM_001107267
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGCCAAAGACTTTTCTGCTACAACCTACTCTGAAATAGCCGGCAGCGACTGCAAGAGATTCGAG
AAGGACTGAAGCAGCCGCAAGTCTTCCACCCAGGGGCTGCTGGTGGGACCAACAGTGACACTTCTTC
CCTGGATGCCAAAGTCTTGGGAAACAAAGATGCCTCCAGGCAGCAGAGATGAGAGCCACCCGAAGTTT
GGACCTTATCAAAAAGCGCTCAGGGAAATCCGATATTCCCTCCTGCCTTTTGCCAATGAGTCAGGCACGT
CGGCAGCTGCAGAGGTGAACCGGCAGATGCTGCAGGAGTTGGTGAATGCAGGATGTGACCAGGAGATGGC
TGGCAGAGCGCTCAAGCAGACAGGCAGTAGGAGTATTGAAGCCGCTTGGAGTACATCAGTAAGATGGGC
TACTTGGACCCAGGAATGAGCAAATTGTGCGAGTCATCAAGCAGACCTCCCAGGAAAGGGCCTGGTGC
CCACTGCAGTGACTCGACGACCCAGCTTGGAGGGCACAGGGGAAGCATTCCCATCCACCACCCAGTTGGG
CGGTGCAAATATGAGGGCCCCGCTGCCCTGGAGGAGATGCCACGGCAATATTTAGACTTCTCTTCCCC
GGGGCCAGCGTCCACGGCGCCCCGGCTCACCAGCATCCCCCAAAGGCTACAGCACTGCAGTGGATGCGG
GCACACACTTCCCAGGCGCACACTATGGTCGTGCTCATCTACTGTCAGAGCAGCCTGGGTATGGGGTTCA
GCGCAGCCCTCCTTCCAGAGCAAGACGCCACCAGACACCTATTCCAGCCTGGCCAAGGCCAGGGTGGC
CCTCCTGCCAGCCTCACCTTCCCTGCCATGCTGGTCTGTACACCACCTCGCACCAACAAGCCAGCGGCTG
CAGTACCTGGGGCCACCCCTTACATGTGTTGGGCACCCGGGGCCACGTTCACTGGGGACAGCTCTAC
GCAGGCCGTTCTGGCACCCTCCAGGAACAGCCTCAATAATGACTTGTACGAGCTGGGCTCTCCCCTGCC
TGGCCCGCAGCTCCACTGGCAGCCGCTGACTCGCTGCAGAAGCAGAGTCTAGAGGCCCTCCCGCCGATG
TGGCCTTCGGGCTGGGCCCAGCAGGACCAACTCCTTCCAGCAGCCACAACCTGAGCCCTACTGCCCGC
CCCCAACACAGTCACTGCTGTGACGGCTGCACACATCCTTACCCTGTGAAGAGCGTGGCGTGTGCGG
CCGAGGGCTGGAGAGCAAGGAGGGCAGTGCAGGCCACCCCGCTGGATATGGACTTCGGGGGCTCCGA
GCGCAGGTGCCACCGCCTCCTTACCCAAAGCACTTGCTGCTGCCAGTAAGTCTGAGCAGTACAGCGCT
GGTCTGGACCGCTGTGCACCGGTGTGGAGCAGAGTCTGCGCGGGGGCACCGAGCAAGACAGGAATGACA
AGGGCCACAAGGGTGTAAAGGGGACAAAGCTGGCAGGGACAAAAGCAGATCCAGACCTCCCCAGTGCC
TGTCCGCAAGAATAGCAGGGATGAAGAGAAGAGAGTCTCGAATCAAGAGTTACTCCCCATATGCCTTC



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AAATTCTTCATGGAACAACATGTGGAGAATGTCATCAAAACCTACCAGCAGAAGGTCAGCCGGAGGCTAC
 AGCTGGAGCAGGAAATGGCCAAAGCTGGACTGTGCGAGACTGAGCAGGAGCAGATGAGGAAGATCCTCTA
 CCAGAAGGAGTCGAACTACAACAGACTCAAGAGGGCCAAGATGGACAAGTCCATGTTTGTGAAAAATCAA
 ACTCTGGGCATTGGTGCCTTTGGAGAAGTGTGCCTTGCCGTGAAGGTGGATACTCACGCTCTGTATGCCA
 TGAAGACGCTGAGGAAAAAGATGTCTGAACCGGAACCAAGTGGCCATGTCAAGGCTGAGAGGGACAT
 CCTGGCTGAAGCAGACAATGAGTGGTGGTCAAACCTCTACTATTCCTCCAGGACAAGGACAGCCGTGAT
 TTTGTGATGGACTACATACCTGGTGGGACATGATGAGCCTGCTGATCCGGATGGAGGTCTCCCTGAAC
 ACCTCGCCCGCTTCTACATCGCAGAGCTGACTCTGGCCATTGAGAGTGTGCACAAGATGGGCTTCATCCA
 CAGGGACATCAAGCCTGACAACATCTTGATTGACCTGGATGGTCAATTAAGCTGACCGATTTTGCCTC
 TGCACTGGATTACAGTGGACTCACAAATCCAAGTACTACCAGAAAAGGGAACCACATCAGACAGGACAGCA
 TGGAGCCTGGTGACCTCTGGGACGACGTTTCCAACCTGTCGTTGTGGAGACAGGTTGAAGACCCTGGAGCA
 GAGAGCACAGAAGCAGCACCAGAGGTGCCTGGCACATTCTCTGGTTGGGACACCAAAATTACATTGCTCT
 GAGGTGCTTCTTCGAAAGGGTACACACAGCTCTGTGACTGGTGGAGTGTGGTGTGATTCTTTTTGAGA
 TGCTGGTTGGGCAGCCACCTTTCTTGGCGCCACCCACAGAAACCCAGCTGAAGGTGATCAACTGGGA
 GAACACGCTGCACATCCCTACGCAGGTGAAACTCAGTGTGAGGCCCGAGACCTCATACCAAGCTGTGC
 TGCAGCGCTGACTGCCGCTGGGACGGGACGGGCGAGATGACCTCAAGGCACACCCGTTCTTCAGACCA
 TCGACTTTTCCCGTGACATCCGGAACAGCCTGCACCCTACGTCCCCACCATCAGCCACCCCATGGACAC
 CTCCAATTTGACCCAGTGGATGAAGAAAGCCCTGGCACGAGGCCAGCGGAGAAAGTGCCAAGGCTGG
 GACACGCTGGCGTCCCCAACAGCAAGCACCCAGAGCAGCCTTCTATGAGTTACCTTCCGAGGTTCT
 TCGACGACAATGGCTATCCCTTCCGGTGCCGAAGCCCTCAGAGCCGGCTGAGAGTGCAGACCCAGGGGA
 TGCAGAGTTAGGAGGTGCGGTGAGGGCTGCCAGCCAGTGTATGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR213353 representing NM_001107267
 Red=Cloning site Green=Tags(s)

MRPKTFPATTYSNGSRQLQEIREGLKQPAKSSSTQGLLVGPNSDTSLLDAKVLGNKDASRQQMRATPKF
 GPYQKALREIRYSLLPFANESGTSAAAENVNRQMLQELVNAGCDQEMAGRALKQTGSRSEIAALEYISKMG
 YLDPRNEQIVRVIKQTS PGKGLVPTAVTRRPSFEGTGEAFPSHHQLGGANYEGPAALEEMPRQYLDLFLP
 GASVHGAPAHQHPKGYSTAVDAGTHFGAHYGRAHLLSEQPGYGVQRSPSFQSKTTPPDYSSLAKAQGG
 PPAASLTFPAHAGLYTSSHKPAAVPGAHLHVLGTRGPTFTGDSSTQAVLAPSRNSLNNDLYELGSPVP
 WPAAPLARRDSLQKQSLASRPHVAFRAGPSRTNSFSSPQPEPSLPAPNTVTAVTAAHILHPKSVRVLR
 PEPQTAGVPSHPAWVPAPTAPAAAEGLESKEGSAGPPPLDMDFFGGSEERRCPPPPYPKHL LLPSKSEQYSA
 GLDRLCTGVEQSLRGGTEQDRNDKGHGAKGDKAGRDKKQIQTSVPVVRKNSRDEEKRESRIKSYSPYAF
 KFFMEQHVENVIKTYQQKVSRRLLQEQEMAKAGLCETEQQMRKILYQKESNYNRLKRAKMDKSMFVKIK
 TLGIGAFGEVCLACKVDTHALYAMKTLRKKDVLNRNQVAHVKAERDILAEADNEWVVKLYYSFQDKDSL
 FVMDYIPGGMMSLLIRMEVFPEHLARFYIAELTLAIESVHKMGFIHRDIKPDNIDLIDLGHIKLTDLGL
 CTGFRWTHNSKYQKGNHIRQDSMEPGDLWDDVSNCRCDRLKTLQRAQKQHQRCLAHSLVGTPNYIAP
 EVLLRKGTYQLCDWWSVGVILFEMLVGQPPFLAPTPTETQLKVINWENTLHIPTQVKLSAEARDLITKLC
 CAADCRLGRDGADDLKAHPFFSTIDFSRDIRKQPAPYVPTISHPMDTSNFDVDEESPWHEASGESAKAW
 DTLASPNKHPHAFYEFTRRRFFDDNGYPRCPKPSAPAESADPGDAELGGAVEGCPVYV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

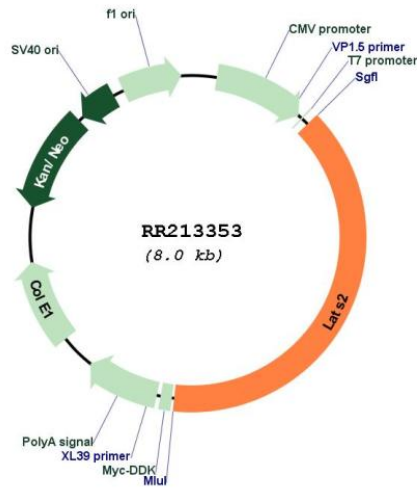
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001107267

ORF Size: 3126 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:	<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_001107267.1 , NP_001100737.1
RefSeq Size:	4958 bp
RefSeq ORF:	3129 bp
Locus ID:	305922
Cytogenetics:	15p12
MW:	115.4 kDa