

Product datasheet for **RR205233**

Enah (NM_001012150) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Enah (NM_001012150) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Enah
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR205233 representing NM_001012150
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGTAGAATTTGTATCTTACTCGATACCAAAGCTCAGAAGTAGCCAGAGCCTCAGAATCAGTGAAC
 AGAGTATCTGTACAGCAAGAGCTGCTGTATGGTTTATGATGATGCCAATAAGAAATGGTGCCAGCTGG
 TGGCTCAACCGGTTTCAGCAGAGTACATATATATACCCATACAGGCAACAACACATTCAGAGTGGTGGGC
 AGAAAGATTCAAGACCATCAGGTTGTGATAAACTGTGCCATTCTAAAGGACTGAAGTACAATCAAGCTA
 CACAGACTTTCCACCAATGGCGGATGTAGACAGGTGTATGGTCTCACTTTGGCAGCAAAGAGGATGC
 CAATGTCTTCGCAAGTGCATGATGCCTTAGAAGTGTAAATTCACAGGAAGCAGGGCCAACATTG
 CCTAGACAGAATTCACAGCTACCTGCTCAAGTTCAAAAAGGCCATCCCAAGAAGAGATGGAAATCCAGA
 GAAGGCAACTGCAAGAGCAGCAGCGACAGAAGGAGCTGGAGAGGGAGCGAATGGAGAGGAAAGGTTGGA
 GAGAGAACGACTAGAACGAGAGAGGCTAGAGAGGGAGCGCTGGAACAGGAGCAGCTGGAGCGGCAGAGG
 CAGGAGAGGGAGCACGTGGAGCGCTGGAAAGGGAGCGCTGGAGCGGCTGGAGAGAGAGAGGCAAGACC
 GAGAGCGAGAGCGGAGCGCCTGGAACAGCTGGAGCGAGAGCAAGTGGAGTGGGAGAGAGAGCGCAGAAT
 GTCCAATGCTGGCCATGTCTTGGGACCCTGCACCTCCACCACCACCCCTACCATCAGGCCCTGCC
 TATGCTTCAGCACTTCCCCTCTCTGGACCCCTCCACCACCTCCACTGCCATCCGCTGGACCTCCTC
 CTCCACCGCTCCACCACCCCTCTTCTAATCAAGTTCCTCCCCTCCTCCACCACCTCCTGCCCTCC
 CCTCCCGCATCTGGAATTTCTCTGGATCCATGTCAGAAGACAATCGCCCTTAACTGGACTTGCAGCT
 GCAATCGCGGGAGCAAACCTTAGGAAAGTGTCTCGGTGGAGGATGGCTCTTCCCAAGTGGAGGAAATA
 CTGTGAGTGTGAAGTGGCTCATCCAAAACAGATTCTGGTCTGGCAATGGACCCCTCCTCTAGGGGG
 CAGTGGCTTAATGGAAGAAATGAGTGCCTGCTGGCCAGGAGGAGAAGAATTGCTGAGAAGGGATCAACA
 ATAGAAACAGAACAAAAAGACAGAAGTGAAGATGCAGAGCCTGTAACCTCTAAGGCAGCATCAACAA
 GTACACCTGAACCAACCAGAAAACCTTGGGAAAGAACAAACACAATGAACGGCAGTAAGTACCTGT
 CTCCAGACCCAAATCCACACCTTCTCAGCCAAAGTGCATGGGGTCCAGACAGAAGGGCTTGACTAT
 GACAGGCTGAAGCAGGACATTTAGATGAAATGAGAAAAGAACTGCAAAGCTGAAGGAGGAGCTCATTG
 ATGCAATCAGGCAGGAAGTGAAGTCAACTGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR205233 representing NM_001012150
 Red=Cloning site Green=Tags(s)

MDVEFVSYSIPKLRSSQSLRISEQSICQARAAMVYDDANKKWVPAGGSTGFSRVHIYHHTGNNTFRVVG
 RKIQDHQVVINCAIPKGLKYNQATQTFHQWRDARQVYGLNFGSKEDANVFASAMMHLEVLNSQEAGPTL
 PRQNSQLPAQVQNGPSQEEMEIQRRQLQEQQRQKELERERMERERLERERLERERLERERLEQEQLERQR
 QEREHVERLERERLERERERQDRERERERLEQLEREQVEWERERRMSNAGHVLGPPAPPPPPPLPSGPA
 YASALPPPPPPPPPLPSAGPPPPPPPPPLPNQVPPPPPPPPAPPLPASGIFSGMSSEDNRPLTGLAA
 AIAGAKLRKVSIVEDGSFSPGGNTVSVNLASSKTDSDGRGNGPLPLGSGLMEEMSALLARRRRIAEKGST
 IETEQKEDRSEDAEPVTSKAASTSTPEPTRKPWERTNTMNGSKSPVISRPKSTPSSQPSANGVQTEGLDY
 DRLKQDILDEMRKELAKLKEELIDAIRQELSKSNTA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

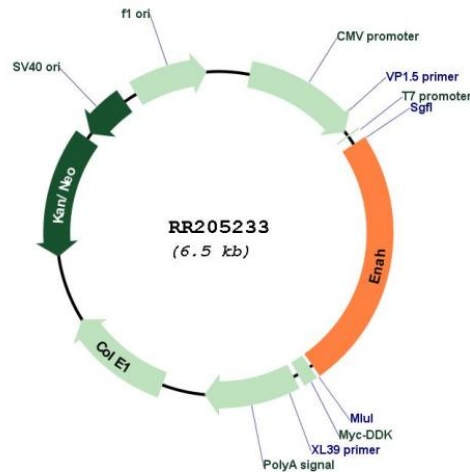
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001012150

ORF Size: 1578 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_001012150.1](#), [NP_001012150.1](#)

RefSeq Size: 2003 bp

RefSeq ORF: 1581 bp

Locus ID: 360891

Cytogenetics: 13q26

MW: 58.8 kDa