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Product datasheet for SC112572

RECK (NM_021111) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RECK (NM_021111) Human Untagged Clone
Tag:	Tag Free
Symbol:	RECK
Synonyms:	ST15
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC112572 sequence for NM_021111 edited (data generated by NextGen Sequencing)

ATGGCGACCGTCCGGGCCTCTCTGCGAGGTGCGCTGCTCCTTCTGCTGGCCGTGGCGGGG
GTCGCGGAGGTGGCAGGGGGCCTGGCTCCGGGCAGTGCGGGTGCATTGTGTTGTAATCAT
TCAAAGGATAACCAAATGTGCCGTGATGTATGTGAACAGATTTTCTCCTCAAAAAGTGAA
TCCCGACTAAAACATCTGTTGCAGCGAGCCCCAGATTATTGCCCAGAGACAATGGTTGAA
ATTTGGAATTGTATGAATTCATCTTTGCCAGGTGTGTTTAAGAAGTCTGATGGCTGGGTT
GGCTTAGGCTGCTGTGAACTGGCTATTGCCTTGGAGTGTCGACAGGCATGCAAGCAGGCA
TCTTCAAAGAATGATATTTCCAAAGTTTGCAGAAAAGAATATGAGAATGCTCTTTTCAGT
TGCATTAGCAGAAATGAAATGGGCTCGGTTTGTTGCAGTTATGCAGGTCATCACACAAAC
TGCCGAGAATACTGTCAAGCCATTTTTCGAACAGACTCTTCTCCTGGTCCATCTCAGATA
AAAGCAGTGGAAAATTATTGCGCCTCTATTAGTCCACAATTAATACATTGTGTGAACAAT
TATACTCAATCTTATCCAATGAGGAACCCAACGGATAGTTTATATTGCTGTGACAGAGCT
GAAGACCATGCTTGCCAAAATGCCTGCAAGAGAATCCTGATGTCCAAGAAAACGGAAATG
GAGATTGTTGATGGTCTCATCGAGGGTTGTAAGACCCAGCCCTTGCCTCAAGATCCTCTT
TGGCAATGTTTTCTTGAAAGCTCACAATCTGTTCACCCTGGAGTCACTGTACACCCTCCT
CCCTCTACAGGCCTCGATGGGGCTAAATTGCATTGTTGTTCTAAAGCAAACACTTCAACA
TGTAGGGAACTCTGCACTAAACTTTACAGCATGAGCTGGGGCAATACACAGAGTTGGCAA
GAGTTTGATCGCTTTTGTGAATATAATCCAGTGGAAGTGTCCATGTTGACCTGTTTAGCG
GATGTCCGGGAACCTTGCCAGTTGGGCTGTAGAAACCTTACTTACTGTACTAATTTTAAC
AACAGGCCAACAGAACTTTTCAGGAGTTGTAATGCACAGTCAGATCAAGGAGCCATGAAT
GACATGAAGTTGTGGGAGAAAGGAAGCATAAAGATGCCATTTATCAATATACCTGTTCTT
GATATTAAAAAGTGCCAGCCAGAGATGTGGAAAGCAATAGCTTGTTCACTGCAGATTAAA
CCTTGTCATAGTAAATCTCGGGGAAGTATTATTTGCAAATCAGATTGTGTGGAGATTCTT
AAAAAATGTGGAGACCAGAACAAATTCCCTGAAGACCACACAGCTGAAAGTATTTGTGAG
CTTCTGTCACCTACAGATGATCTGAAGAATTGTATACCTTTGGATACATACCTCAGGCCA
AGTACTTTAGGTAACATTGTAGAAGAAGTGACTCATCCCTGTAACCCAAATCCTTGCCCT

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GCCAATGAGCTCTGTGAAGTAAACCGAAAAGGATGTCCATCTGGAGATCCCTGTCTTCCA
TACTTTTGTGTTCAAGGTTGCAAACTGGGAGAAGCTTCTGATTTCATTGTCCGTCAAGGG
ACACTAATCCAGGTGCCATCATCTGCAGGGGAAGTTGGTTGTTATAAAATCTGTTCATGT
GGACAAAGTGGACTCTTAGAAAACTGTATGGAAATGCACTGTATAGACCTCCAGAAGTCT
TGTATTGTTGGAGGAAAAAGAAAAAGTCATGGAACATCCTTTAGTATTGACTGCAATGTC
TGTTCTTGTTTTGCTGGCAATTTGGTGTGCTCTACCCGCCTTTGCCTCAGTGAGCACAGT
TCAGAAGATGACCGTCGTACCTTCACAGGTCTGCCCTGTAACTGTGCAGATCAGTTTGTC
CCTGTATGTGGGCAGAATGGGCGCACTTACCCCAGTGCCTGCATTGCTCGCTGTGTGGGC
CTCCAAGACCATCAGTTTGAGTTTGGATCATGCATGTCAAAGGATCCATGTAATCCTAAT
CCCTGCCAAAAAAACCAAAGGTGCATACCCAAACCACAGGTCTGCCTGACGACTTTTGAT
AAATTTGGATGTAGCCAGTATGAGTGTGTACCAAGACAGCTCGCGTGTGACCAGGTCCAA
GATCCTGTTTGTGACACAGACCACATGGAGCACAACAATCTCTGCACTTTATACCAAAGA
GGAAAAAGCCTCTCTTACAAAGGTCCCTGCCAGCCCTTTTGCAGAGCAACCGAGCCCGTA
TGTGGGCACAATGGTGAGACCTACAGCAGTGTGTGTGCTGCCTACTCGGATCGCGTGGCA
GTCGATTACTATGGGGACTGCCAGGCCGTCGGAGTCCTCTCAGAGCACAGCTCCGTCGCC
GAGTGTGCTTCTGTCAAGTGTCCTTCGCTCTTGGCAGCTGGATGCAAACCCATCATCCCA
CCGGGTGCTTGTTGCCCATTATGTGCTGGGATGTTAAGAGTTTTATTTGACAAAGAAAAA
CTGGATACTATTGCTAAGGTAACAAATAAAAAGCCAATAACAGTTCTGGAAATACTTCAG
AAAATCCGCATGCACGTGTCTGTCCCACAGTGTGATGTGTTTGGATACTTCAGCATTGAA
TCAGAAATTGTGATCCTGATCATTCCCGTCGATCACTATCCAAAAGCTCTGCAGATTGAA
GCCTGCAATAAAGAAGCAGAGAAGATTGAGTCCCTTATCAACTCTGACAGCCCGACTTTG
GCGTCCCATGTCCCTCTCTCTGCCCTCATCATTTCCCAGGTACAGGTCTCCAGCAGTGTG
CCATCGGCCGGTGTCAGGGCCAGGCCTTCTTGCCACTCCCTCCTCCTTCCCCTCAGCTTG
GGCCTTGCCTTGCACTTGCTCTGGACATATAACTGA

Clone variation with respect to NM_021111.2

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_021111 unedited
GGGTTCACAAATTATGTATACGACTTCACTATAGGGCGGCCGCGAATTCGCACGAGGCGG
CGGCAGCGGCTGCGGCCAAGCTGGGTCCGAGCATCCCGCGGCTCTGGAGCCGCCCGGCCC
GGACATGGCGACCGTCCGGGCCTCTCTGCGAGGTGCGCTGCTCCTTCTGCTGGCCGTGGC
GGGGGTCGCGGAGGTGGCAGGGGGCCTGGCTCCGGGCAGTGCGGGTGCATTGTGTTGTAA
TCATTCAAAGGATAACCAAATGTGCCGTGATGTATGTGAACAGATTTTCTCCTCAAAAAG
TGAATCCCGACTAAAACATCTGTTGCAGCGAGCCCCAGATTATTGCCCAGAGACAATGGT
TGAAATTTGGAATTGTATGAATTCATCTTTGCCAGGTGTGTTTAAGAAGTCTGATGGCTG
GGTTGGCTTAGGCTGCTGTGAACTGGCTATTGCCTTGGAGTGTCGACAGGCATGCAAGCA
GGCATCTTCAAAGAATGATATTTCCAAAGTTTGCAGAAAAGAATATGAGAATGCTCTTTT
CAGTTGCATTAGCAGAAATGAAATGGGCTCGGTTTGTTGCAGTTATGCAGGTCATCACAC
AAACTGCCGAGAATACTGTCAAGCCATTTTTCGAACAGACTCTTCTCCTGGTCCATCTCA
GATAAAAGCAGTGGAAAATTATTGCGCCTCTATTAGTCCACAATTAATACATTGTGTGAA
CAATTATACTCAATCTTATCCAATGANGAACCCAACGGATAGTTTATATTGCTGTGACAG
AGCTGAAGACATGCTTGCCAAATGCCTGCAAGAGATCCTGATGTCCAAGAAACGGAATGA
AGATTGTGAGGGCTCATCGAGGTTGTAAGACCAGCCCTTGCCTCAGACCTCTTTTGCATG
TTTTCTGAAGCTCCCATCTGTCACCCTGTAT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_021111 unedited
TGTACGCGGCCGCATCTATAGTCGGTTTTTTTTTTTTTTTTTTGATCATATAAAAATTA
TTTTTATTAAAATAGAAAAGCTTTCCAGTATATTGCATTAAAGACATTTATACAGAAAAA
AGGCAATTGCAACAAGCATGCTACATCAGCACTGACATATTCTGAAAGCTTTAAGTGCCC
ATTTTTCAGCAACATTTTGGTATAATACGCATATCCCTATGTATTTCAGAGGGTACATAT
AATACTGAAAAAATACTTCATGTAAAATCTAAGTTCATGTGCATACACACAAGAAGTATT
ACATCAAATAGCTTATTTCAAACTGTGAAACACATTCAAAGTATTCAATTTCTTAGACAA
CATGCATACATTTTAATACTCAGCTTGACACTTTTAAATATATAAACCACAATTCTTTAT
ACTTCTATATCAAAAAAGAAAGTCAGACAGAACACTTATCTACATTGTGCATATCACAAA
AAGCAAATGTGTTTTCACGAATGGAAAGCACTGGGTTAACACACATGATTGTCATTTTAC
AAATATGGCTATTCACCTTCTTCATAATAAAATAGAAATATAATGTATTATTTACATGAA
CTACACATTATTTCACTCTTTGGCAATTATATAAGTAGCAGCAATTGGTTTAAAGATTGA
TGTTTAAAAACTCTACATTTAACTTGGATGAATACCGATGAATATATATCTGGCTAATAT
AAAAATTGCATAATGCAAGATGCTTACTATGCATGTCACTTCTTCCTTTCACAAAAGTCA
CAGACACCAATCCGTGACCAGTGAGCCCTGTGCCTACACATATAATATATGAGTGTCATT
TATCAGCCTGCTTTGCATACACAGTAGTTGGGGTCTGAAATAATTCCTGTATCTAAGCAA
ATTCGCTGATAATTACTATTTACATATTTCAAAGATGTTATCTATGGTCATATCCTTATG
CCAAAGCCCTTACCTGGAACCTACT

Restriction Sites: NotI-NotI

ACCN: NM_021111

Insert Size: 4200 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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

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_021111.1, NP_066934.1

RefSeq Size:	4414 bp
RefSeq ORF:	2916 bp
Locus ID:	8434
UniProt ID:	O95980
Cytogenetics:	9p13.3
Domains:	kazal
Protein Families:	Transmembrane
Gene Summary:	The protein encoded by this gene is a cysteine-rich, extracellular protein with protease inhibitor-like domains whose expression is suppressed strongly in many tumors and cells transformed by various kinds of oncogenes. In normal cells, this membrane-anchored glycoprotein may serve as a negative regulator for matrix metalloproteinase-9, a key enzyme involved in tumor invasion and metastasis. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2015] Transcript Variant: This variant (1) encodes the longest isoform (1).