

Product datasheet for SC115356

STEAP1 (NM_012449) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STEAP1 (NM_012449) Human Untagged Clone
Tag:	Tag Free
Symbol:	STEAP1
Synonyms:	PRSS24; STEAP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115356 sequence for NM_012449 edited (data generated by NextGen Sequencing)

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ATGGAAAGCAGAAAAGACATCACAAACCAAGAAGAACTTTGGAAAATGAAGCCTAGGAGA
AATTTAGAAGAAGACGATTATTTGCATAAGGACACGGGAGAGACCAGCATGCTAAAAAGA
CCTGTGCTTTTGCATTTGCACCAACAGCCCATGCTGATGAATTTGACTGCCCTTCAGAA
CTTCAGCACACACAGGAACCTTTCCACAGTGGCACTTGCCAATTAATAAGCTGCTATT
ATAGCATCTCTGACTTTTCTTTACTCTTCTGAGGGAAGTAATCACCCCTTAGCAACT
TCCCATCAACAATATTTTATAAAATCCAATCCTGGTCATCAACAAAGCTTGCCAATG
GTTTCCATCACTCTTTGGCATTGGTTACCTGCCAGGTGTGATAGCAGCAATTGTCCAA
CTTCATAATGGAACCAAGTATAAGAAGTTCCACATTGGTTGGATAAGTGGATGTTAACA
AGAAAGCAGTTTGGGCTTCTCAGTTTCTTTTTGCTGTACTGCATGCAATTTATAGTCTG
TCTTACCCAATGAGGCGATCCTACAGATACAAGTTGCTAAACTGGGCATATCAACAGGTC
CAACAAAATAAAGAAGATGCCTGGATTGAGCATGATGTTTGGAGAATGGAGATTTATGTG
TCTCTGGGAATTGTGGGATTGGCAATACTGGCTCTGTTGGCTGTGACATCTATTCCATCT
GTGAGTGA CTCTTTGACATGGAGAGAATTTCACTATATTCAGAGCAAGCTAGGAATTGTT
TCCCTTCTACTGGGCACAATACACGCATTGATTTTTGCCTGGAATAAGTGGATAGATATA
AAACAATTTGTATGGTATACACCTCCAATTTTATGATAGCTGTTTTCTTCCAATTGTT
GTCCTGATATTTAAAAGCATACTATTCTGCCATGCTTGAGGAAGAAGATACTGAAGATT
AGACATGGTTGGGAAGACGTACCAAAAATTAACAAAAGTGAAGATATGTTCCAGTTGTAG

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Clone variation with respect to NM_012449.2



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_012449 unedited
 GTTCGAATTTGTATACGACTCATATAGGGCGGCCGCAATTCGCACGAGGCCCGCACCTC
 TGGGCAGCAGCGGCAGCCGAGACTCACGGTCAAGCTAAGGCGAAGAGTGGGTGGCTGAAG
 CCATACTATTTTATAGAATTAATGGAAAGCAGAAAAGACATCACAAACCAAGAAGAACTT
 TGGAAAATGAAGCCTAGGAGAAATTTAGAAGAAGACGATTATTTGCATAAGGACACGGGA
 GAGACCAGCATGCTAAAAAGACCTGTGCTTTTGCATTTGCACAAACAGCCCATGCTGAT
 GAATTTGACTGCCCTTCAGAACTTCAGCACACACAGGAACTCTTCCACAGTGGCACTTG
 CCAATTAATAAGCTGCTATTATAGCATCTCTGACTTTTTCTTTACTCTTCTGAGGGAA
 GTAATTCACCTTTAGCAACTTCCCATCAACAATATTTTTATAAAATTCCAATCCTGGTC
 ATCAACAAAGTCTTGCCAATGGTTTCCATCACTCTCTGGCATTGGTTTACCTGCCAGGT
 GTGATAGCAGCAATTGTCCAACCTCATAATGGAACCAAGTATAAGAAGTTCCACATTGG
 TTGGATAAGTTGGATGTTAACAAGAAAGCAGTTTGGGCTTCTCAGTTTCTTTTTTGTGT
 ACTGCATGCAATTTATAGTCTGTCTTACCCAATGAGGCGATCCTACAGATAAAGTTGCT
 AAAGTGGGCATATCAACAGGTCCAACAAAATAAAGAAGATGCCTGGATTGAGCATGATGT
 TTGGGAGATGGGAGATTTATGTGTCTCTGGGAATTGTGGGGGATTGGCCATACTGGGCTC
 TGGGTGGCTGTGACATCTATTCCATCCGGTGAGTGACTCTTGACATGGAGAAGATTTCA
 CTATATTCAGAGCAAGCTAGGAATGGTTTCCCTTCTATGGGCACAATACCGCATTTGAAT
 TTGGCCG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_012449 unedited
 ACCACGCTTTCTAGAGTCGAGTTTTTCTTTTTTTTTTCTTGAATAATCATTTTATT
 AACAAATACAACTTGAAATGTTGGTGATAAAATATATCAATATTGAACAAAAATGTGTG
 TAAACAGTAATTCTACAACCTGGGAACATATCTCAGTTTTGTTAATTTGGTGACGTCTTC
 CCAACCATGTCTAATCTTCAAGTATCTTTTTCTCAAGCATGGCAGGAATAGTATGCTTTT
 AAATATCAGGACAACAATTGGAAGGAAAACAGCTATCAAAAAGTTGGAGGTGTATACCA
 TACAAATTGTTTTATATCTATCCACTTATTCCAGGCAAAAATCAATGCCTGTATTGTGCC
 CAGTAAAAGGGAAACAATTCCTAGCTTGCTCTGAATATAGTGAAATTTCTCTCCATGTCAA
 AGAGTCACTCACAGATGGAATAGATGTCACAGCCAACAGAGCCAGTATTGCCAATCCAC
 AATTCCCAGAGACACATAAATCTCCATTCTCCAACATCATGCTCAATCCAGGCATCTTC
 TTTATTTTGGTGGACCTGTTGATATCCCCAGTTTACCAACTTGTATCTGTAGGATCGCT
 CATTGGGTAAGACAGACTATAAATTGCATGCAGTACAGCAAAAAAGAACTGAGAAGCCC
 AAATGCTTTCTTGTACATCCACTTATCCAACCAATGTGGAAACTCCTTATACCTGTGTC
 TCATTATGAAGTTGGACAATTGCTGCTATCACACCTGGCAGGTAACCAATGCCAAGAGA
 GTGATGGAACCCCTTGGCAAGACTTTGCTGATGACCAGGATCGGAATTTTATAAAATATG
 TGTGATGGAAGTTGCTAAAGGTGAATTACTTCCCTCCAAGACGTAAGAAAGCCCGAATCC
 TTAATACCCCTTTTATTGCCAGGCCACTGGAAGAATCCTCGGTGCTGAGTTTGAAGCA
 CCAATCTAAAATGGCTGTTGCCAAGC

Restriction Sites:

NotI-NotI

ACCN:

NM_012449

Insert Size:

1210 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_012449.2](#), [NP_036581.1](#)

RefSeq Size: 1330 bp

RefSeq ORF: 1020 bp

Locus ID: 26872

UniProt ID: [Q9UHE8](#)

Cytogenetics: 7q21.13

Protein Families: Transmembrane

Gene Summary: This gene is predominantly expressed in prostate tissue, and is found to be upregulated in multiple cancer cell lines. The gene product is predicted to be a six-transmembrane protein, and was shown to be a cell surface antigen significantly expressed at cell-cell junctions. [provided by RefSeq, Jul 2008]