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Product datasheet for SC320788

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_012449.2 GCGCCGCGTGGGGCCCGCACCTCTGGGCAGCAGCGGCAGCCGAGACTCACGGTCAAGCTA AGGCGAAGAGTGGGTGGCTGAAGCCATACTATTTTATAGAATTAATGGAAAGCAGAAAAG ACATCACAAACCAAGAAGAACTTTGGAAAATGAAGCCTAGGAGAAATTTAGAAGAAGACG ATTATTTGCATAAGGACACGGGAGAGACCAGCATGCTAAAAAGACCTGTGCTTTTGCATT TGCACCAAACAGCCCATGCTGATGAATTTGACTGCCCTTCAGAACTTCAGCACACACAGG AACTCTTTCCACAGTGGCACTTGCCAATTAAAATAGCTGCTATTATAGCATCTCTGACTT TTCTTTACACTCTTCTGAGGGAAGTAATTCACCCTTTAGCAACTTCCCATCAACAATATT TTTATAAAATTCCAATCCTGGTCATCAACAAAGTCTTGCCAATGGTTTCCATCACTCTCT TGGCATTGGTTTACCTGCCAGGTGTGATAGCAGCAATTGTCCAACTTCATAATGGAACCA AGTATAAGAAGTTTCCACATTGGTTGGATAAGTGGATGTTAACAAGAAAGCAGTTTGGGC TTCTCAGTTTCTTTTTTGCTGTACTGCATGCAATTTATAGTCTGTCTTACCCAATGAGGC GATCCTACAGATACAAGTTGCTAAACTGGGCATATCAACAGGTCCAACAAAATAAAGAAG ATGCCTGGATTGAGCATGATGTTTGGAGAATGGAGATTTATGTGTCTCTGGGAATTGTGG GATTGGCAATACTGGCTCTGTTGGCTGTGACATCTATTCCATCTGTGAGTGACTCTTTGA CATGGAGAGAATTTCACTATATTCAGAGCAAGCTAGGAATTGTTTCCCTTCTACTGGGCA CAATACACGCATTGATTTTTGCCTGGAATAAGTGGATAGATATAAAACAATTTGTATGGT ATACACCTCCAACTTTTATGATAGCTGTTTTCCTTCCAATTGTTGTCCTGATATTTAAAA GCATACTATTCCTGCCATGCTTGAGGAAGAAGATACTGAAGATTAGACATGGTTGGGAAG ACGTCACCAAAATTAACAAAACTGAGATATGTTCCCAGTTGTAGAATTACTGTTTACACA CATTTTTGTTCAATATTGATATATTTTATCACCAACATTTCAAGTTTGTATTTGTTAATA AAATGATTATTCAAAAAAAAAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	Please inquire
ACCN:	NM_012449

View online »

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
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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]