

Product datasheet for SC312797

STEAP4 (NM_024636) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STEAP4 (NM_024636) Human Untagged Clone
Tag:	Tag Free
Symbol:	STEAP4
Synonyms:	SchLAH; STAMP2; TIARP; TNFAIP9
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_024636 edited ATGGAGAAAACCTGTATAGATGCACTTCCTCTTACTATGAATTCAGAAAAGCAAGAG ACTGTATGTATTTTTGGAACTGGTGATTTTGGAAAGTCACTGGGATTGAAAATGCTCCAG TGTGGTTATTCTGTTGTTTTGGAAAGTCAAACCCCGAAGACCACCCTACTGCCAGT GGTGACAGAAAGTCTTGAGCTATTGCAAGCAGCCAAAGAGTCTGGCATCATAATCATAGCA ATCCACAGAGAGCATTATGATTTTCTCACAGAATTAAGTGGTTCTCAATGGAAAAATA TTGGTAGACATCAGCAACAACCTCAAAATCAATCAATATCCAGAATCTAATGCAGAGTAC CTTGCTCATTTGGTGCCAGGAGCCACGTGGTAAAAGCATTAAACACCATCTCAGCCTGG GCTCTCCAGTCAGGAGCACTGGATGCAAGTCGGCAGGTGTTTGTGTGGAAATGACAGC AAAGCCAAGCAAAGAGTGATGGATATTGTTTCGTAATCTTGGACTACTCCAATGGATCAA GGATCACTCATGGCAGCCAAAGAAATTGAAAAGTACCCCTGCAGCTATTTCCAATGTGG AGGTTCCCTTCTATTTGTCTGCTGTGCTGTGTCTTCTGTTTTTCTATTGTGTATA AGAGACGTAATCTACCCTTATGTTTATGAAAAGAAAGATAATACATTTTCGTATGGCTATT TCCATTCCAAATCGTATCTTTCCAATAACAGCACTTACACTGCTTGTGTTTGGTTTACCTC CCTGGTGTATTGCTGCCATTCTACAACGTACCGAGGCACAAAAACCGTCGATTTCCCA GACTGGCTTGACCACTGGATGCTTTGCCGAAAGCAGCTTGGCTTGGTAGCTCTGGGATTT GCCTTCCTTCATGTCCTTACACACTTGTGATTCTTATTCGATATTATGTACGATGGAGA TTGGGAAACTTAACCGTTACCCAGGCAATACTCAAGAAGGAGAATCCATTTAGCACCTCC TCAGCCTGGCTCAGTGATTCATATGTGGCTTTGGGAATACTTGGGTTTTTCTGTTTGT CTCTTGGGAATCACTTCTTTGCCATCTGTTAGCAATGCAGTCAACTGGAGAGAGTTCCGA TTTGTCCAGTCCAACTGGGTTATTTGACCCTGATCTTGTGTACAGCCCAACCCCTGGTG TACGGTGGGAAGAGATTCTCAGCCCTTCAAATCTCAGATGGTATCTTCTGCAGCCTAC GTGTTAGGGCTTATCATTCTTGCAGTGTGCTGGTGTCAAGTTTGCCTAATCATGCCA TGTGTAGACAACCCCTTACAAGGATCCGCCAGGGCTGGGAAAGGAACTCAAACACTAG
Restriction Sites:	NotI-NotI



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ACCN:	NM_024636
Insert Size:	4500 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to contain one SNP compared with NM_024636.2.
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:	<u>NM_024636.1</u> , <u>NP_078912.1</u>
RefSeq Size:	2462 bp
RefSeq ORF:	852 bp
Locus ID:	79689
UniProt ID:	<u>Q687X5</u>
Cytogenetics:	7q21.12
Domains:	F420_oxidored
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>The protein encoded by this gene belongs to the STEAP (six transmembrane epithelial antigen of prostate) family, and resides in the golgi apparatus. It functions as a metalloreductase that has the ability to reduce both Fe(3+) to Fe(2+) and Cu(2+) to Cu(1+), using NAD(+) as acceptor. Studies in mice and human suggest that this gene maybe involved in adipocyte development and metabolism, and may contribute to the normal biology of the prostate cell, as well as prostate cancer progression. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2011]</p> <p>Transcript Variant: This variant (1) represents the predominant transcript, and encodes the longer isoform (1). Variants 1 and 2 encode the same isoform.</p>