

Product datasheet for **SC311408**

Proprotein convertase PC4 (PCSK4) (NM_017573) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Proprotein convertase PC4 (PCSK4) (NM_017573) Human Untagged Clone
Tag:	Tag Free
Symbol:	Proprotein convertase PC4
Synonyms:	PC4; SPC5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_017573 edited
 ATGCGGCCCGCCCGATTGCGCTGTGGCTGCGCCTGGTCTTGGCCCTGGCCCTTGTCCGC
 CCCC GGCTGTGGGGTGGGCCCGGTCCGAGCCCCATCTATGTCAGCAGCTGGGCCGTC
 CAGGTGTCCAGGTAACCGGGAGGTGAGCGCCTGGCACGAAATTCGGCTTCGTCAAC
 CTGGGGCCGATCTCCCTGACGGGCAGTACTTTACCTGCGGCACCGGGGCGTGGTCCAG
 CAGTCCCTGACCCCGACTGGGGCCACCGCCTGCACCTGAAGAAAAACCCAAGGTGCAG
 TGGTCCAGCAGCAGACGCTGCAGCGGGGTGAAACGCTCTGTGCTGGTGCCACGGAC
 CCCTGGTTCTCCAAGCAGTGGTACATGAACAGCGAGGCCAACCCAGACCTGAGCATCCTG
 CAGGCCTGGAGTCAGGGGCTGTACAGCCAGGGCATCGTGGTCTCTGTGCTGGACGATGGC
 ATCAGAGAAGGACCACCCGACCTCTGGGCAACTACGACCCCTGGCCAGCTATGACTTC
 AATGACTACGACCCGGACCCCGACCCCGCTACACCCAGCAAAGAGAACCAGGACGGG
 ACCCGCTGTGCTGGGAGGTGGCCGCGATGGCCAACAATGGCTTCTGTGGTGTGGGGTC
 GCTTTCAACGCCGAATCGGAGGCGTACGGATGCTGGACGGTACCATCACCGATGTCATC
 GAGGCCAGTCGCTGAGCCTGCAGCCGACACATCCACATTTACAGCGCCAGCTGGGGT
 CCCGAGGACGACGCCGACGGTGGACGGCCCGGCATCCTCACCCGCGAGGCCTCCGG
 CGTGGTGTGACCAAGGGCCGCGGGCTGGGCACGCTTTCATCTGGGCCTCGGGCAAC
 GCGGCCTGCACTACGACAACCTGCAACTGCGACGGCTACACCAACAGCATCCACACGCTT
 TCCGTGGGCGACACCACCCAGCAGGGCCGCGTGCCTGGTACAGCGAAGCCTGCGCCTCC
 ACCCTACCAACCTACAGCAGCGGCGTGGCCACCGACCCCGATCGTACCACGGAC
 CTGCATCACGGGTGCACAGACCAGCACACGGGCACCTCGGCCTCAGCCCCACTGGCGGC
 GGCATGATCGCCCTAGCCTGGAGGCCAACCCGTTCTGACGTGGAGAGACATGCAGCAC
 CTGGTGGTCCGCGCTCAAGCCGGCGCACCTGCAGGCCGAGGACTGGAGGACCAACGGC
 GTGGGGCGCCAAGTGAGCCATCACTACGGATACGGGCTGCTGGACGCCGGGCTGTGGTG
 GACACCGCCCGCACCTGGCTGCCACCCAGCCGAGAGGAAGTGCGCCGTCCGGGTCCAG
 AGCCGCCACCCCATCCTGCCCTGATCTACATCAGGGAAAACGTATCGGCCTGCGCC
 GGCTCCACAACCTCCATCCGCTCGCTGGAGCACGTGCAGGCGCAGCTGACGCTGTCTAC
 AGCCGGCGCGGAGACCTGGAGATCTCGCTCACCAGCCCATGGGCACGCGCTCCACACTC
 GTGGCCATACGACCTTGGACGTCAGCACTGAAGGCTACAACAACCTGGGTCTTCATGTCC
 ACCCACTTCTGGGATGAGAACCCACAGGGCGTGTGGACCTGGGCCTAGAGAACAAGGGC
 TACTATTTCAACACGGGACGTTGTACCGCTACACGCTGCTGCTATGGGACGGCCGAG
 GACATGACAGCGCGCCCTACAGGCCCCAGGTGACCAGCAGCGCTGTGTGCAGCGGGAC
 ACAGAGGGGCTGTGCCAGGCGTGTGACGGCCCGCCTACATCCTGGGACAGCTCTGCCTG
 GCCTACTGCCCCCGCGGTTCTTCAACCACACAAGGCTGGTGACCCTGGGCCTGGGCAC
 ACGGCGCGCCCGCGCTGAGGGTCTGCTCCAGCTGCCATGCCCTCTGCTACACCTGCCGC
 GGCGGCTCCCCGAGGGACTGCACCTCCTGTCCCCATCCTCCACGCTGGACCAGCAGCAG
 GGCTCCTGCATGGGACCCACCACCCCGACAGCCGCCCGGCTTAGAGCTGCCGCTGT
 CCCCACCACCGCTGCCAGCCTCGGCCATGGTGTGAGCCTCCTGGCCGTGACCTCGGA
 GGCCCCGTCTCTGCGGCATGTCATGGACCTCCACTATACGCTGGCTCTCCCGTGCC
 AGGGCCACCCCAACCCAGGTCTGGCTGCCAGCTGGAACCTGA

Restriction Sites: Please inquire

ACCN: NM_017573

Insert Size: 2300 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:	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:	<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:	NM_017573.3 , NP_060043.2
RefSeq Size:	2674 bp
RefSeq ORF:	2268 bp
Locus ID:	54760
UniProt ID:	Q6UW60
Cytogenetics:	19p13.3
Protein Families:	Druggable Genome, Protease
Gene Summary:	This gene encodes a member of the subtilisin-like proprotein convertase family, which includes proteases that process protein and peptide precursors trafficking through regulated or constitutive branches of the secretory pathway. The encoded protein undergoes an initial autocatalytic processing event in the ER to generate a heterodimer which exits the ER and sorts to subcellular compartments where a second autocatalytic even takes place and the catalytic activity is acquired. This gene encodes one of the seven basic amino acid-specific members which cleave their substrates at single or paired basic residues. The protease is expressed only in the testis, placenta, and ovary. It plays a critical role in fertilization, fetoplacental growth, and embryonic development and processes multiple prohormones including pro-pituitary adenylate cyclase-activating protein and pro-insulin-like growth factor II. [provided by RefSeq, Jan 2014]