

Product datasheet for **SC306898**

STPG4 (NM_173649) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STPG4 (NM_173649) Human Untagged Clone
Tag:	Tag Free
Symbol:	STPG4
Synonyms:	C2orf61; GSE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306898 representing NM_173649. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGACCAGCCAGCCGTCGCCACCGCTTCCACCTCAATAAGGGAAGACCTGGTGGGTGGAGAATCATTC
 ATCACAGCTTCGAAACCAGCCCCAAAGACTTCTCTTTGAAAGAGAAGGATGGTGGAGAATAGCATT
 ACAGATACTCTATACCTGGCACTTACCACTTGAAAACCTTTATTGAAGAATCCCTATTAATCCAGTG
 ATAGCAACCTACAATTTTAAAAACGAAGGAAGGAAAAAGCCACCTCTGTGCAAAGAAACAATCCAGTC
 CTAATGATCTTCGCGAGTATATGCCTCCTGACTTCCTGGACCTGTTAAGAAGCAAGTGGCTACTTAC
 TCATTCAAAGACAAACCACGGCCAAGCCCCAGCACACTAGTTGACAAAGATCAGTCACTTCAGCTTTCT
 CCGGGGCAATACAACGTGCTTCTGCACAGTTCCCAAATATGCTTCAGGAGCTGTGTATTCGCTCA
 ACAGTTCAAAGATTCCCAACAACCTATTTATTCCTGTAAGTATAATG**AG**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_173649
Insert Size:	534 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).


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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:	<u>NM_173649.2</u>
RefSeq Size:	2139 bp
RefSeq ORF:	534 bp
Locus ID:	285051
UniProt ID:	<u>Q8N801</u>
Cytogenetics:	2p21
MW:	19.9 kDa
Gene Summary:	<p>Maternal factor that plays a role in epigenetic chromatin reprogramming during early development of the zygote. Involved in the regulation of gametic DNA demethylation by inducing the conversion of the modified genomic base 5-methylcytosine (5mC) into 5-hydroxymethylcytosine (5hmC).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 3' coding region and 3' UTR, compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus, compared to isoform 1.</p>