

Product datasheet for MC211636

Stpg4 (NM_029298) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stpg4 (NM_029298) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Stpg4
Synonyms:	1700011E24Rik; GSE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC211636 representing NM_029298 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCGAGCCAACCGTTGTCATAGCCCCACCACGTACCAAGAGAAGACCTGGGACATGGGGAGCCGC
 TCCTCATGACTGCGAAACAAGTCAAGAAGACGCCAGGTCTTGAGAGAGAAGGATGGTGGAGGCTCACAAT
 AACGGATACTCCGATACCTGGTACTTACCATTTCAGGACTTTTACTGAAGAAGCCCTATTAACCCAGTG
 AAAATAACCTACAACCTTTAAAAACGAAGGGAGGAAAAAGCTCCCTCTTGCTGAGAAACGATCCGGTCC
 CAACTGACCTCCACAGTACAGTCCTCCTGACTTCTTGAGCTGCTGAAGAAGCAGACGGCCTCATACTC
 TTTCAAGGACAAACCCCGGCAGACCCAGCACACTAGTTGACAAAGATGAGTCACTCCATCTTTGCCCG
 GGACAGTACGAGGTACTTCCAGCACCGGTTCCCAAGAGCCAGCCAGGAGCTTCGTATTTGCTCTTCAG
 TTCAAAGATTCCACCAAATTATTTCACTCCTCACGAGGGCCCTGGACCAGGTGACTATGAGCTGAAGGC
 ATCCCCAAAAGGCTCTATTACTTCTGTTTTGATCTAAGGTTCCCCGATTCTTACCTGTCAGTTCAAAA
 ACACGAGGCCAGGAGCATACATCTTCGAGACAGTTCCCCAAGCAGTCTTCAACCATTGCCAAATGG
 GTAGAGAACACAGTCTCTTCTTCAACAACAATTGGCTTT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_029298
Insert Size:	744 bp


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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).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_029298.1 , NP_083574.1
RefSeq Size:	847 bp
RefSeq ORF:	744 bp
Locus ID:	75467
UniProt ID:	Q9DAG5
Cytogenetics:	17 E4
Gene Summary:	Maternal factor that plays a role in epigenetic chromatin reprogramming during early development of the zygote (PubMed:23560077). Involved in the regulation of gametic DNA demethylation by inducing the conversion of the modified genomic base 5-methylcytosine (5mC) into 5-hydroxymethylcytosine (5hmC) (PubMed:23560077).[UniProtKB/Swiss-Prot Function]