

Product datasheet for **SC122622**

Kisspeptin (KISS1) (NM_002256) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kisspeptin (KISS1) (NM_002256) Human Untagged Clone
Tag:	Tag Free
Symbol:	Kisspeptin
Synonyms:	HH13; KiSS-1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_002256 edited CTCTTGAGACCGGGAGCCAGCTGCCCACCCTCTGGACATTCACCCAGCCAGGTGGTCTC GTCACCTCAGAGGCTCCGCCAGACTCCTGCCAGGCCAGGACTGAGGCAAGCCTCAAGGC ACTTCTAGGACCTGCCTCTTCTACCAAGATGAACTCACTGGTTTCTTGGCAGCTACTGC TTTTCTCTGTGCCACCCACTTTGGGGAGCCATTAGAAAAGGTGGCCTCTGTGGGAATT CTAGACCACAGGCCAGCAGCTAGAATCCCTGGGCCTCCTGGCCCCGGGGAGCAGAGCC TGCCGTGCACCGAGAGGAAGCCAGCTGCTACTGCCAGGCTGAGCCGTCGGGGACCTCGC TGTCCCCGCCCCCGAGAGCTCCGGGAGCCCCAGCAGCCGGCCTGTCCGCCCCCA GCCGCAGATCCCCGCACCCAGGGCGCGGTGCTGGTGCAGCGGGAGAAGGACCTGCCGA ACTACAAGTGAAGTCCCTTCGGCCTGCGCTTCGGCAAGCGGGAGGCGGCACCAGGGAACC ACGGCAGAAGCGCTGGGCGGGGCTGAGGGCGCAGGTGCGGGGAGTGAATTCAGACCCC AAAGGAGTCAGAGCATGCGGGGCGGGGCGGGGCGGGGACGTAGGGCTAAGGGAGGGG GCGCTGGAGCTTCCAACCCGAGGCAATAAAGAAATGTTGCGTAACTCAAAAAAAAAA AAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_002256 unedited NNNGGGGAAGCGTTCAAATATTTGTATACGACTCACTATAGGCGGCCGCGNAATTCGCAC GAGGCTCTTGAGACCGGGAGCCAGCTGCCACCCTCTGGGCATTACCCAGCCAGGTGG TCTCGTCACTCAGAGGCTCCGCCAGACTCCTGCCAGGCCAGGACTGAGGCAAGCCTCA AGGCACTTCTAGGACCTGCCTTCTCACCAGATGAACACTCACTGGTTTCTTGCCAGCTA CTGCTTTTCTCTGTGCCACCCACTTTGGGGAGCCATTAGAAAAGGTGGCCTCTGTGGGG AATTCTAGACCCACAGGCCAGCAGCTAGAATCCCTGGGCCTCCTGGCCCCGGGGAGCAG AGCCTGCCGTGCACCGAGAGGAAGCCAGCTGCTACTGCCAGGCTGAGCCGTCGGGGGACC TCGCTGTCCCGCCCCCGAGAGCTCCGGGAGCCCCAGCAGCCGGGCCTGTCCGCCCCC CACAGCCGCCAGATCCCCGACCCAGGGCGCGGTGCTGGTGCAGCGGGAGAAGGACCTG CCGAACTACAACCTGGAACCTCTTCGGCCTGCGCTTCGGCAAGCGGGAGGCGGCACCAGGG AACCCACGGCAGAAGCGCTGGGCGGGGCTGANGGCGCANGTGGGGGCAGTGAACCTCAGA CCCCAAAGGAGTCAAANCATGCGGGGCGGGGCGGGGGGCGGGGGACCTAGGGCTAAAGG AGGGGGCGCTGGAGCTTCAACCCGAGGCATTAAGAAAGATTGCGTAACCAAAAAAAAA AAAAAAACTCGACTCCTAATTGCGGCCGCGTCATTACTGGTTCTGAACAGATCCCGGT GGGCATCCCTGGGACCCCTCCCAAGG
Restriction Sites:	Please inquire
ACCN:	NM_002256
Insert Size:	438 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).
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_002256.2 , NP_002247.2
RefSeq Size:	725 bp
RefSeq ORF:	438 bp
Locus ID:	3814
UniProt ID:	Q15726
Cytogenetics:	1q32.1
Protein Families:	Druggable Genome, Secreted Protein

Gene Summary:

This gene is a metastasis suppressor gene that suppresses metastases of melanomas and breast carcinomas without affecting tumorigenicity. The encoded protein may inhibit chemotaxis and invasion and thereby attenuate metastasis in malignant melanomas. Studies suggest a putative role in the regulation of events downstream of cell-matrix adhesion, perhaps involving cytoskeletal reorganization. A protein product of this gene, kisspeptin, stimulates gonadotropin-releasing hormone (GnRH)-induced gonadotropin secretion and regulates the pubertal activation of GnRH neurons. A polymorphism in the terminal exon of this mRNA results in two protein isoforms. An adenosine present at the polymorphic site represents the third position in a stop codon. When the adenosine is absent, a downstream stop codon is utilized and the encoded protein extends for an additional seven amino acid residues. [provided by RefSeq, Mar 2012]