

Product datasheet for **RR206250**

Hscb (NM_001108340) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hscb (NM_001108340) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Hscb
Synonyms: RGD1311005
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR206250 representing NM_001108340
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGAGCTGCAGGGCTCGGTCCCTGCTGTGCGTGTGGGAGGTGCGACTGGCTAGGTTCCCTTGGTAGGA
GCCTGCTGAGCAGCAATGCCGCCTCGGGAAAGAGCATCGAGCCGCAATGCTGGAAGTCCGCGCCGCGCAT
GGGAGCCGGGCGTGGGGATGAGTTTTCTGCGCACACTGCCGCGCGTGCAGCCTCCTGACCCACTCGG
GACTACTTCAGCCTCATGAAGTCAACCAATCCTTCAGGGTTGACATCCGAAACTCAACAAAGGTACC
AGCAACTACAGCGCCTTGCCACCCAGATTTCTCAGCCAAAAGTCTCAGACTGAGAAACGGTTCTCGGA
GAAGCATTGACCCCTGGTGAATGATGCCTACAAGACTCTTCAGGCCCCCGTGAGCAGAGGACTATATCTT
CTAAAGCTCCAAGGAATAGAAATTCCTGAAGGGACAGATTATAGAACAGACAGTCAGTTCCTTGTGGAAA
TCATGGAAATCAATGAAAACTCGCAGACGCCAAAAGTGAGGCAGCCATGGAAGAGGTAGAAGCCACTGT
CAGAGCTAAACAGAAAGAATTTACGGACAATAAACAGAGCTTTTGAACAAGGTGATTTTGAAAAAGCC
AAGGAACCTTTACAAAATGAGATACTTTTCAAACATAGAAGAAAAGATCAAGTTAAGCAAGAACCCTC
TC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206250 representing NM_001108340
 Red=Cloning site Green=Tags(s)

MWSCRARSLLCVWEVRLARFLGRSLLSSNAASGKSI EPQCWNCGRAMGAGRGDEFFCAHCRALQPPDPTR
 DYFSLMNCNQSFVRVDIRKLRQRYQQLQRLVHPDFFSQKSQTEKRFSEKHSTLVNDAYKTLQAPVSRGLYL
 LKLGIEIPEGTDYRTDSQFLVEIMEINEKLADAKSEAAMEEVEATVRAKQKEFTDNIINRAFEQGDFEKA
 KELLTKMRYFSNIEEKIKLSKNPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001108340

ORF Size: 702 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

RefSeq: [NM_001108340.1](#), [NP_001101810.1](#)

RefSeq Size: 783 bp

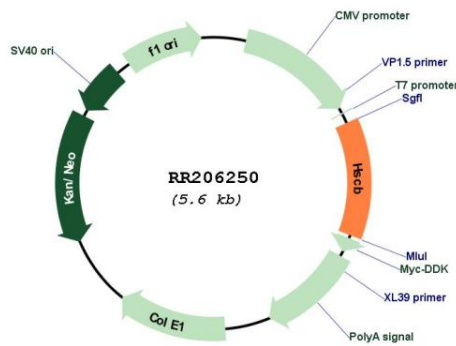
RefSeq ORF: 705 bp

Locus ID: 360826

Cytogenetics: 12q16

MW: 27.1 kDa

Product images:



Circular map for RR206250