

Product datasheet for **RR206307**

Gpr137b (NM_001105978) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr137b (NM_001105978) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpr137b
Synonyms:	Tm7sf1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR206307 representing NM_001105978 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCCTTGGCCAACATCTACTTGAATCAAAGGGCTCCTCCGTGTGTCAGGTAAGTCCATTGGTGTCA
 CCGTCATCTTGTCTACACCTCTCGGCCCTGCTACAACCTATTCATCTTGTCAATTTCTCAGATCAAGAA
 CGTCCATTCCTTTGATTATGACTGGTACAATGTATCAGACCAGGCAGATCTGAAGAGCCAGCTGGGTGAT
 GCCGGCTACATAGTGTGGCGTGGTCTTTTCGTGTGGGAGCTCTACCCACCACTTTGGTGGTTTATT
 TCTTCGAGTCAGAAATCCACGAAGGATCTTACCAATCCTGGGATGGTCCCCAGCCATGGATTTAGTCC
 CAGATCTTACTTCTTTGACAACCCCGAAGATATGACAGTGATGATGATCTTGCCTGGAACATTGCCCT
 CAGGGACTTCAGGGAAGGATCTCTCCGAGCCTACCCAGAGAGAGCCAGAGCATTTGCTGCTCGAATCACT
 CAGTGGACATGACCTGGGACATCCAGGCAGACACCTTGGATCCTCTTCTAAAGCCAGAGAATATATGAA
 CAATTATCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RR206307 representing NM_001105978 Red=Cloning site Green=Tags(s)
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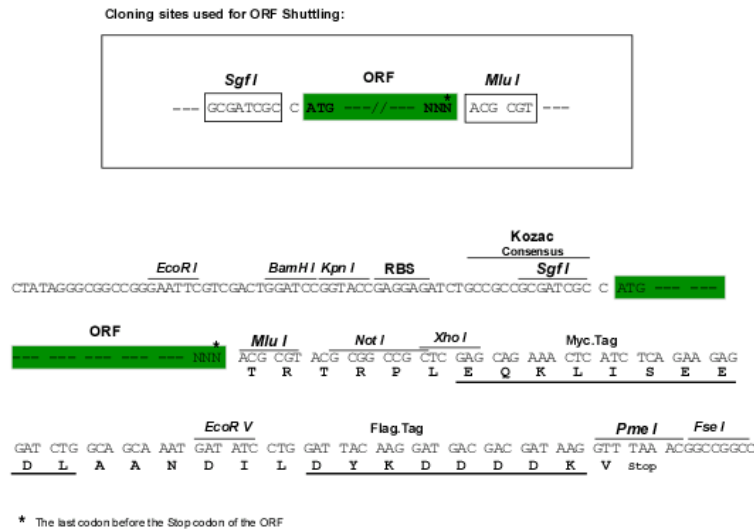
MSLANIYLESKGSSVCQVTAIGVTIVLLYTSRACYNLFILSFSQIKNVHSFDYDWNVSDQADLKSQGLGD
 AGYIVFGVVLFWELLPTTLVVYFFRVNPTKDLTNPGMVPSHGFSRPSYFFDNPRRYDSDDDLAWNIAIP
 QGLQGRISPLPRESQSICCSNHSVEHDLGHPGRHLGSSSKAREYMNYYQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV


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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001105978

ORF Size: 570 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_001105978.1](#), [NP_001099448.1](#)

RefSeq Size: 849 bp

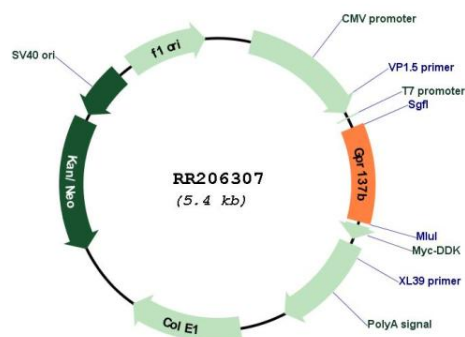
RefSeq ORF: 573 bp

Locus ID: 289287

Cytogenetics: 17q12.3

MW: 21.5 kDa

Product images:



Circular map for RR206307