

Product datasheet for RN202906

Casr (NM_016996) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Casr (NM_016996) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Casr
Synonyms:	PCaR1; RaKCaR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RN202906 representing NM_016996. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
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CAGCGAGCCAAAAGAAGGGGGACATTATCCTAGGAGGTCTTTTCTATCCATTTGGAGTAGCAGCC
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GAAGTTGGGTAACAATGTGTATGCCAAGAAGGGAGAAAGACTCTTCATCAATGAGGAGAAGATCTTG
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Protein Sequence:

MASYSCCLALLALAWHSSAYGPDQRAQKKGDIILGGLFPIHFVAAKDQDLKSRPESVEICIRYFRNFRGR
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Fully Sequenced ORF: >MC208090 representing NM_194350
 Red=Cloning site Blue=ORF

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 ACAAGGATGACGACGATAAGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_016996

Insert Size: 3240 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:

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_016996.1

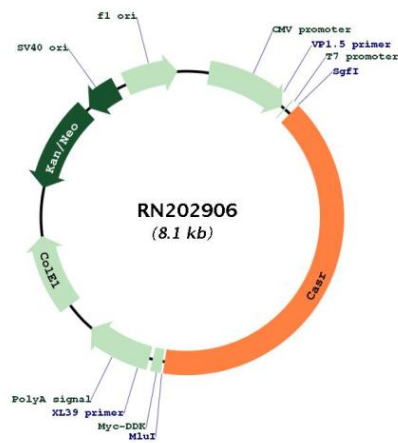
RefSeq Size: 4113 bp

RefSeq ORF: 3240 bp

Locus ID: 24247
 UniProt ID: [P48442](#)
 Cytogenetics: 11q22
 MW: 120.9 kDa

Gene Summary: a G protein-coupled receptor that senses extracellular calcium; involved in regulating the secretion of parathyroid hormone, bile and intestinal fluid [RGD, Feb 2006]
 Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.

Product images:



Circular map for RN202906