

Product datasheet for **SC104525**

HCAR1 (NM_032554) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HCAR1 (NM_032554) Human Untagged Clone
Tag:	Tag Free
Symbol:	HCAR1
Synonyms:	FKSG80; GPR81; GPR104; HCA1; LACR1; TA-GPCR; TAGPCR
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_032554, RT-PCR generated
 CCGCCATGTACAACGGGTCGTGCTGCCGCATCGAGGGGACACCCTCCCAGGTGATGC
 CGCCGCTGCTCATTGTGGCCTTTGTGCTGGGCGCACTAGGCAATGGGGTCGCCCTGTGTG
 GTTTCTGCTTCCACATGAAGACCTGGAAGCCAGCACTGTTTACCTTTTCAATTTGGCCG
 TGGCTGATTTCCCTCCTTATGATCTGCCTGCCTTTTCGGACAGACTATTACCTCAGACGTA
 GACTGTTGGCTTTTGGGACATTCCTGCCGAGTGGGGCTTTCACGTTGGCCATGAACA
 GGGCCGGGAGCATCGTGTTCCTTACGGTGGTGGCTGCGGACAGGTATTTCAAAGTGGTCC
 ACCCCCACCACGGGTGAACACTATCTCCACCCGGGTGGCGGCTGGCATCGTCTGCACCC
 TGTGGGCCCTGGTCATCCTGGGAACAGTGTATCTTTTGTGGAGAACCATCTCTGCGTGC
 AAGAGACGGCCGTCTCCTGTGAGAGCTTATCATGGAGTCGGCAATGGCTGGCATGACA
 TCATGTTCCAGCTGGAGTCTTTATGCCCTCGGCATCATCTTATTTTGTCTCTTCAAGA
 TTGTTTGGAGCCTGAGGCGGAGGAGCAGCTGGCCAGACAGGCTCGGATGAAGAAGCGA
 CCCGGTTCATCATGGTGGTGGCAATTGTGTTTCATCACATGCTACCTGCCAGCGTGTCTG
 CTAGACTCTATTTCTCTGGACGGTGCCTCGAGTGCCTGCGATCCCTCTGTCCATGGGG
 CCCTGCACATAACCCTCAGCTTCACCTACATGAACAGCATGCTGGATCCCTGGTGTATT
 ATTTTTCAAGCCCCTCCTTTCCCAAATTCTACAACAAGCTCAAAATCTGCAGTCTGAAAC
 CCAAGCAGCCAGGACACTCAAAAACACAAAGCCGGAAGAGATGCCAATTTGAACTCG
 GTCGCAGGAGTTGCATCAGTGTGGCAAAATAGTTTCCAAAGCCAGTCTGATGGGCAATGGG
 ATCCCCACATTGTTGAGTGGCACTGAACAAGC



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_032554 unedited GGAATACTTGGATTTGTATACGACTTACTATAGGCGGCCGCGNATTCANATCTGGTACCG AGCTCGGATCCACTAGTAACGGCCGCCAGTGTGCTGGAATTCGGCTTCCGCCATGTACAA CGGGTCGTGCTGCCGCATCGAGGGGGACACCATCTCCAGGTGATGCCGCCGCTGCTCAT TGTGGCCTTTGTGCTGGGCGCACTAGGCAATGGGGTCGCCCTGTGTGGTTTCTGCTTCCA CATGAAGACCTGGAAGCCAGCACTGTTTACCTTTTCAATTTGGCCGTGGCTGATTTCTC CCTTATGATCTGCCTGCCTTTTCGGACAGACTATTACCTCAGACGTAGACACTGGGCTTT TGGGGACATTCCCTGCCGAGTGGGGCTCTTACGTTGGCCATGAACAGGGCCGGGAGCAT CGTGTTCCTTACGGTGGTGGCTGCGGACAGGTATTTCAAAGTGGTCCACCCACACACGC GGTGAACACTATCTCCACCCGGGTGGCGCTGGCATCGTCTGCACCCTGTGGGCCCTGGT CATCTGGGAACAGTGTATCTTTTGTGGAGAACCATCTCTGCGTGAAGAGACGGCCGT CTCCTGTGAGAGCTTCATCATGGAGTCGGCAATGGCTGGCATGACATCATGTTCCAGCT GGAGTTCTTTATGCCCTCGGCATCATCTATTTTGTCTCCTTCAAGATTGTTGGAGCCT GAGGCGGNAGCAGCAGCTGGCCAGACAGGCTCGGATGAAGAAAGCGACCCGGTTCATCAT GGGTGGTGGCAAATTGTGTTTCATCAGATGCTACCTGCCAGCGTGTCTGCTAGACTCTAT TTCTCTGGACGGTGGCCCGAGTGCCTGCNATCCCTCTGTCCATGGGGGCCCTGCACAT AACCTCAGCTTCACTACATGACAGCATGCTGATCCCC
Restriction Sites:	Please inquire
ACCN:	NM_032554
Insert Size:	1830 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_032554.2 , NP_115943.1
RefSeq Size:	3612 bp
RefSeq ORF:	1041 bp
Locus ID:	27198
UniProt ID:	Q9BXC0
Cytogenetics:	12q24.31
Protein Families:	Druggable Genome, GPCR, Transmembrane

Gene Summary:

G protein-coupled receptors (GPCRs, or GPRs), such as GPR81, contain 7 transmembrane domains and transduce extracellular signals through heterotrimeric G proteins.[supplied by OMIM, Feb 2005]