

Product datasheet for SC119455

Neurokinin 1 Receptor (TACR1) (NM_001058) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neurokinin 1 Receptor (TACR1) (NM_001058) Human Untagged Clone
Tag:	Tag Free
Symbol:	Neurokinin 1 Receptor
Synonyms:	NK1R; NKIR; SPR; TAC1R
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_001058 edited
 ATGGATAACGTCCTCCCGGTGGACTCAGACCTCTCCCCAACATCTCCACTAACACCTCG
 GAACCCAATCAGTTCGTGCAACCAAGCCTGGCAAATTGTCCTTTGGGCAGCTGCCTACACG
 GTCATTGTGGTGACCTCTGTGGTGGGCAACGTGGTAGTGATGTGGATCATCTTAGCCAC
 AAAAGAATGAGGACAGTGACGAACATTTTTCTGGTGAACCTGGCCTTCGCGGAGGCTCC
 ATGGCTGCATTCAATACAGTGGTGAACCTCACCTATGCTGTCCACAACGAATGGTACTAC
 GGCCTGTTCTACTGCAAGTTCACAACCTCTTTCCCATCGCCGCTGTCTTCGCCAGTATC
 TACTCCATGACGGCTGTGGCCTTTGATAGGTACATGGCCATCATAATCCCCTCCAGCCC
 CGGCTGTCAGCCACAGCCACAAAGTGGTCATCTGTGTCATCTGGGTCTGGCTCTCCTG
 CTGGCCTTCCCCAGGGTACTACTCAACCACAGAGACCATGCCAGCAGAGTCTGTGTG
 ATGATCGAATGGCCAGAGCATCCGAACAAGATTTATGAGAAAGTGTACCACATCTGTGTG
 ACTGTGCTGATCTACTTCTCCCTGCTGGTATTGGCTATGCATACACCGTAGTGGGA
 ATCACACTATGGGCCAGTGAGATCCCGGGGACTCCTCTGACCGTACCACGAGCAAGTC
 TCTGCCAAGCGCAAGGTGGTCAAATGATGATTGTGCGTGGTGTGCACCTTCGCCATCTGC
 TGGCTGCCCTTCCACATCTTCTCCTCCTGCCCTACATCAACCCAGATCTCTACCTGAAG
 AAGTTTATCCAGCAGGTCTACCTGGCCATCATGTGGCTGGCCATGAGCTCCACCATGTAC
 AACCCATCATCTACTGCTGCCTCAATGACAGGTTCCGTCTGGGCTTCAAGCATGCCTTC
 CGGTGCTGCCCTTTCATCAGCGCCGCGACTATGAGGGGCTGGAATGAAATCCACCCGG
 TATCTCCAGACCCAGGGCAGTGTGTACAAGTCAGCCGCCTGGAGACCACCATCCACA
 GTGGTGGGGCCACAGAGGAGGAGCCAGAGGACGCCCCAAGGCCACACCCCTCGTCCCTG
 GACCTGACCTCCAAGTCTTTCACGAAGTGACTCCAAGACCATGACAGAGAGCTTCAGC
 TTCTCCTCAATGTGCTCTCCTAG



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001058 unedited NNTTTTCTCGGAACGCCAGTTTCANCTTTNCAAAAANAAAAATGCTGCCAGNAAAAAGCCT TCCACCCTCCTGTCTGGCTTTAGAAAGGACCCTGAGCCCCAGGCGCCAGCCACAGGACTCT GCTGCAGAGGGGGTGTGTACAGATAGTAGGGCTTTACCGCCTAGCTTCGAAATGGATA ACGTCCTCCCGGTGGACTCAGACCTCTCCCAACATCTCCTAACACCTCGGAACCA ATCAGTTTCGTGCAACCAGCCTGGCAAATGTCCTTTGGCAGCTGCCTACACGGTCATTG TGGTGACCTCTGTGGTGGCAACGTGGTAGTGATGTGGATCATCTTAGCCCAAAAAGAA TGAGGACAGTGACGAACTATTTTCTGGTGAACCTGGCCTTCGCGGAGCCTCCATGGCTG CATTCAATACAGTGGTGAACCTTACCTATGCTGTCCACAACGAATGGTACTACGGCTGT TCTACTGCAAGTTCACAACCTTCTTTCCATCGCCGCTGTCTTCGCCAGTATCTACTCCA TGACGGCTGTGGCCTTTGATAGGTACATGGCCATCATAATCCNCTCCAGCCCCGGCTGT CAGCCACAGCCACCAAAGTGGTCATCTGTGTCTCTGGTCTGGCTCTCCTGCTGGCT TNCCCCAGGGCTACTACTCAACCACAGAGACCATGCCAGCAGAGTCGTGTGCATGATCG AATGGCCAGAGCATCCGAACCAGATTTATGAGGAAGTGTACCACATCTGTGTGACTGTGC TGATCTACTTNTCCCCCTGCTGGTATTGGCTATGCATACCCGGTANTGGGAATCACAC TATGGGCCAGTGAGATCCCGGGGACTCCTCTGACCCCTTACACGAGCAATCTTTGGCCA GCGCAAGTGGTCAAATGATGAATGCCTGC</p>
3' Read Nucleotide Sequence:	<p>>Forward primer walk for NM_001058 unedited NGGCAATGTCGCCACTGTGGCTGCCCTTCCCATCTTCTTCTCCTGCCCTACATCAACC CAAATCTCTACCTGAAGAATTTATCCAGCAGGTCTACCTGGCCATCATGTGGCTGGCCAT GAGCTCCACCATGTACAACCCCATCATCTACTGCTGCCTCAATGACAGGTTCCGTCTGGG CTTCAAGCATGCCTTCCGGTGTGCCCTTTCATCAGCGCCGGCGACTATGAGGGGCTGGA AATGAAATCCACCCGGTATCTCCAGACCCAGGGCAGTGTGTACAAAGTCAGCCGCCTGGA GACCACCATCTCCACAGTGGTGGGGGCCACGAGGAGGAGCCAGAGGACGGCCCCAAGGC CACACCCTCGTCCCTGGACCTGACCTCAAAGTCTTTCACGAAGTACTCCAAGACCAT GACAGAGAGCTTTCAGCTTCTCCTCCAATGTGCTCTCCTAGGCCACAGGGCCTTTGGCAGG TGCAGCCCCCACTGCCTTTGACCTGCCTCCCTTCATGCATGGAATTCCTTCATCTGGA ACCATCAGAAACCCCTCACACTGNGACTTGCAAAAAGGGTCAGTATGGGTTAGGGAAAA CATTCCATCCTTGAGTCAAAAAATCTCAATTCTTCCCTATCTTTGCCACCCTCATGCTGT GTGACTCANACCAAATCACTGAACCTTGGCTGAGCCTGTAATAANAAAGGTCGACCAGCT TTTCCAAAAGCCATCATTCCATTCTGGAAGTGAATTTGGCTGCATGCGAGTGCTCATT TCAGGATGAATTCTGCAGCACAGCTGCGGACCCGGAAGACTCATTTTTCTGGAGCCCCGT GTACTCCAATAAATTATCTCAAATAGACCTCTGCAGCTGGAGGCTCCATTACCCAGCTA CGCTGAAAGGNTGC</p>
Restriction Sites:	Please inquire
ACCN:	NM_001058
Insert Size:	4900 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_001058.2 , NP_001049.1
RefSeq Size:	1766 bp
RefSeq ORF:	1224 bp
Locus ID:	6869
UniProt ID:	P25103
Cytogenetics:	2p12
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Calcium signaling pathway, Neuroactive ligand-receptor interaction
Gene Summary:	<p>This gene belongs to a gene family of tachykinin receptors. These tachykinin receptors are characterized by interactions with G proteins and contain seven hydrophobic transmembrane regions. This gene encodes the receptor for the tachykinin substance P, also referred to as neurokinin 1. The encoded protein is also involved in the mediation of phosphatidylinositol metabolism of substance P. [provided by RefSeq, Sep 2008]</p> <p>Transcript Variant: This variant (long) represents the longer and predominant transcript and it encodes the longer protein (isoform long). Sequence Note: The RefSeq transcript and protein were derived from transcript and genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>