

Product datasheet for **SC304352**

Neurokinin 1 Receptor (TACR1) (NM_015727) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neurokinin 1 Receptor (TACR1) (NM_015727) 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)



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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_015727 unedited NGGCCCCCTTGGAAATGGCAACTTCCAGGNCCAGNAAAGCACTGGGGNAGGGTCACAGGNA TGCCACCCGGGNATTCTGTTCAGGNAACAGCTATGACCGCGGCCCAATCTCACCTGTC ATTGAGGCAGCAGTAGATGATGGGGTTGTACATGGTGGAGCTCATGGCCAGCCACATGAT GGCCAGGTAGACCTGCTGGATAAACTTCTTCAGGTAGAGATCTGGGTTGATGTAGGGCAG GAGGAAGAAGATGTGGAAGGGCAGCCAGCAGATGGCGAAGGTGCACACCACGACAATCAT CATTTTGACCACCTTGCCTTGGCAGAGACTTGCTCGTGGTAGCGGTAGAGGAGTCCCC GGGGATCTCACTGGCCCATAGTGTGATTCCCACTACGGTGTATGCATAGCCAATCACCAG CAGGGGGAGGAAGTAGATCAGCACAGTCACACAGATGTGGTACACTTTTTCATAAAATCTT GTTCGGATGCTCTGGCCATTCGATCATGCACACGACTCTGCTGGGCATGGTCTCTGTGGT TGAGTAGTAGCCCTGNNGGAAGGCCAGCANGAGAGCCAGGACCCAGATGACACAGATGAC CACTTTGGTGGCTGTGGCTGACAGCCGGNGCTGGAGGGGATGTATGATGGCCATGTACCT ATCANAGGCACAGCCGTCATGGAGTAGATACTGGCGAAAGACAGCGCGATGGGAAAGAA AGTGTGAAACTGCAGTAGAACAGGCCGTAGTACCATTNCGTGNNTGACAGCATAGTGAAG TTCACCACTGTATTGAATGCAGCCATGGAGGCCNCGCGAAGGCCAGGTCACCANAAAAT AGTNCGCTCACTGTCTCATTCTTTTGGGNCTAAGATGATCCCCATCACCTACACGTTNG CCACCACAGAA
Restriction Sites:	Please inquire
ACCN:	NM_015727
Insert Size:	1600 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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_015727.1.
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:	<u>NM_015727.1, NP_056542.1</u>
RefSeq Size:	1268 bp
RefSeq ORF:	936 bp
Locus ID:	6869
UniProt ID:	<u>P25103</u>
Cytogenetics:	2p12

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Calcium signaling pathway, Neuroactive ligand-receptor interaction

Gene Summary: 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]
Transcript Variant: This variant (short) uses a different splice site in the 3' coding region, compared to variant long. The resulting protein (isoform short) has a shorter and distinct C-terminus when compared to the long isoform. 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.