

Product datasheet for **SC322275**

TrkC (NTRK3) (NM_001007156) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TrkC (NTRK3) (NM_001007156) Human Untagged Clone
Tag:	Tag Free
Symbol:	TrkC
Synonyms:	gp145(trkC); GP145-TrkC; TRKC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322275
 CCGAGATGGATGTCTCTCTTTGCCAGCCAAGTGTAGTTTCTGGCGGATTTTCTTGCTGG
 GAAGCGTCTGGCTGGACTATGTGGGCTCCGTGCTGGCTTGCCCTGCAAATGTGTCTGCA
 GCAAGACTGAGATCAATTGCCGGCGCCGGACGATGGGAACCTCTTCCCCTCCTGGAAG
 GGCAGGATTCAGGGAACAGCAATGGGAACGCCAGTATCAACATCACGGACATCTCAAGGA
 ATATCACTTCCATACACATAGAGAACTGGCGCAGTCTTACACGCTCAACGCCGTGGACA
 TGGAGCTTACACCGGACTTCAAAGCTGACCATCAAGAACTCAGGACTTCGGAGCATT
 AGCCCAGAGCCTTTGCCAAGAACCCCATTTGCGTTATATAAACCTGTCAAGTAACCGGC
 TACCACACTCTCGTGGCAGCTTCCAGACGCTGAGTCTTCGGGAATTGCAGTTGGAGC
 AGAACTTTTTCAACTGCAGCTGTGACATCCGCTGGATGCAGCTCTGGCAGGAGCAGGGGG
 AGGCCAAGCTCAACAGCCAGAACCTCTACTGCATCAACGCTGATGGCTCCAGCTTCTC
 TCTTCCGCATGAACATCAGTCAGTGTGACCTTCTGAGATCAGCGTGAGCCACGTCAACC
 TGACCGTACGAGAGGGTACAATGCTGTTATCACTTGCAATGGCTCTGGATCACCCCTTC
 CTGATGTGGACTGGATAGTCACTGGGCTGCAGTCCATCAACACTACCAGACCAATCTGA
 ACTGGACCAATGTTTCATGCCATCAACTTGACGCTGGTGAATGTGACGAGTGAGGACAATG
 GCTTACCCTGACGTGCATTGCAGAGAAGTGGTGGGCATGAGCAATGCCAGTGTGCC
 TCACTGTCTACTATCCCCACGTGTGGTGAACCTGGAGGAGCCTGAGCTGCGCCTGGAGC
 ACTGCATCGAGTTTGTGGTGCCTGGCAACCCCAACCGTGCAGTGGCTGCACAATG
 GGCAGCCTCTGCGGGAGTCCAAGATCATCCATGTGGAATACTACCAAGAGGGAGAGATTT
 CCGAGGGCTGCCTGTCTTCAACAAGCCCACTACAACAATGGCAACTATACCCTCA
 TTGCCAAAAACCACTGGGCACAGCCAACCAGACCATCAATGGCCACTTCTCAAGGAGC
 CCTTCCAGAGAGCAGGATAAATTTATCTTGTGTTGACGAAGTGAAGTCCACACCTCCTA
 TCACTGTGACCCACAACCAAGAGAAGACACTTTTGGGGTATCCATAGCAGTTGGACTTG
 CTGCTTTTGCCTGTCTGTTGGTGGTCTCTTCGTCATGATCAACAAATATGGTCGAC
 GGTCCAAATTTGGAATGAAGGGTCCCGTGGCTGTATCAGTGGTGAAGGACTCAGCCA
 GCCCACTGCACCACATCAACCACGGCATACCACGCCCTCGTCACTGGATGCGGGGCCCG
 ACACTGTGGTCATTGGCATGACTCGCATCCCTGTCATTGAGAACCCCACTACTCCGTC
 AGGGACACAAGTCCACAAGCCGGACACGTGGGCTTTTTCAAACATAGACAATCATGGGA
 TATTAACCTGAAGGACAATAGAGATCATCTAGTCCCATCAACTACTATATATGAGG
 AACCTGAGGTCCAGAGTGGGAAGTGTCTTACCAAGGTCACATGGTTTCAGAGAAATTA
 TGTTGAATCCAATAAGCCTTCCCGGACATTCCAAGCCTTAAACCATGGCATCTATGTTG
 AGGATGTCAATGTTTATTTACAGCAAGGACGTCATGGCTTTTAAAAACTCCTTTAAGCC
 TCCTTGTTTTGTGTCACCTTGGTAGGCTGGGCCCTCTGAGAGGTTGGAAGCTCTAGGCA
 TTGTTCTCTTTGGATCCAGGGATGCTAAGTAGAACTGCATGAGCCACCAGTGCCCGGC
 ACCCTTAAACACCACAGATGGGTGTTTTCCCCATCCACCCTGGCAGGGTTGCCCTT
 CCCTCAATCATCACTGTGCTCCTTTTTCCCGGCTACGAGGACGCTCCTGCCACTATC
 TTTAGAGCCAATAAAGAGAATTAACCTGAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001007156

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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001007156.1</u> , <u>NP_001007157.1</u>
RefSeq Size:	3997 bp
RefSeq ORF:	1839 bp
Locus ID:	4916
Cytogenetics:	15q25.3
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane
Protein Pathways:	Neurotrophin signaling pathway
Gene Summary:	<p>This gene encodes a member of the neurotrophic tyrosine receptor kinase (NTRK) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. Signalling through this kinase leads to cell differentiation and may play a role in the development of proprioceptive neurons that sense body position. Mutations in this gene have been associated with medulloblastomas, secretory breast carcinomas and other cancers. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2011]</p> <p>Transcript Variant: This variant (3) has multiple differences in the coding region, compared to variant 1, one of which results in a translational frameshift. The resulting protein (isoform c) has a distinct C-terminus and is shorter than isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>