

Product datasheet for **SC327338**

KIAA1549 (NM_001164665) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIAA1549 (NM_001164665) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIAA1549
Synonyms:	RP86
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC327338 representing NM_001164665. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
ATGCCGGGGCGCGCGCCGACGCCGAGGCGCGGCCATGGAGGGGAAGCCCCGCGCCGGGGTGCCTG
GCCCCGGGGCGAGCGGCCGACGGCCTTCGCCCGCTGCGCCCGCCGCCCGCCGGGGCTGCTGCTT
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ATTTCTGCCGAGGTGGATATGAGTAGTGTTACAACCACACAGGTTCCCCCTGCCACGGCCGCTCTCT
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 TCGGTGGAATGGGGAGGTATCCAGCCCTTCCCTTCCCGGCTCCAGTACATCCACCCAGCCGTCC
 ATCGAGGAGGCACGCCAGACCATGCACTCCCTCCTGGACGACGCTTTGCCCTCGTGGCCCCCAGCAGC

CAGCCTGCCAGCACCGCAGGTGTAGGCCCCGGAGTCCCACCCGGCCTGCCCGCAAACAGCACCCCTTCC
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 AGTAGATACGAAGACTATGGAATGACTCCCCGACGGGTCCATTGCCAAGACCAGGTTTTGGCCCCGGT
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 GCTGCCAGAGGGATCTACTCGGAGGAGATGCCGTGGTGGCCGGCCTCGGCCTGTCGGGGGTACCACA
 GGCTCCAGATCCAGCACCTGACACAGGTGGGGATTGCCAGCAGAATTGGAGCTCAGCCAGTGAAATC
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 AGAGAGGCCACACATGCTCGGACATCAAGAGTATTCTTCTCACCGCTATTTAGGTGCCAAGGACT
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 GAGGAGCTCCTCCGGCTCTCCAGAAACAGAGCACCGTGCAGAACTTCCACAGCTGA
 AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
 ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-RsrII
ACCN:	NM_001164665
Insert Size:	5853 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:	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:	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_001164665.1</u>
RefSeq Size:	12427 bp
RefSeq ORF:	5853 bp
Locus ID:	57670
UniProt ID:	<u>Q9HCM3</u>
Cytogenetics:	7q34
Protein Families:	Transmembrane
MW:	210.8 kDa

Gene Summary:

The protein encoded by this gene belongs to the UPF0606 family. This gene has been found to be fused to the BRAF oncogene in many cases of pilocytic astrocytoma. The fusion results from 2Mb tandem duplications at 7q34. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2012]

Transcript Variant: This variant (2), also known as the long-form, v2, represents the longer transcript and encodes the longer isoform (2). 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.