

Product datasheet for **SC322294**

GI24 (C10orf54) (NM_022153) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GI24 (C10orf54) (NM_022153) Human Untagged Clone
Tag:	Tag Free
Symbol:	GI24
Synonyms:	B7-H5; B7H5; C10orf54; DD1alpha; Dies1; GI24; PD-1H; PP2135; SISP1; VISTA
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 SC322294
 GTCCGACGGCGACATGGGCGTCCCCACGGCCCTGGAGGCCGGCAGCTGGCGCTGGGGATC
 CCTGCTCTTCGCTCTCTTCTGGCTGCGTCCCTAGGTCCGGTGGCAGCCTTCAAGGTCGC
 CACGCCGATTCCCTGTATGTCTGTCCCAGGGGCAGAACGTACCCTCACCTGCAGGCT
 CTTGGGCCCTGTGGACAAAGGGCAGCATGTGACCTTCTACAAGACGTGGTACCGCAGCTC
 GAGGGGCGAGGTGCAGACCTGCTCAGAGCGCCGGCCATCCGCAACCTCACGTTCCAGGA
 CCTTCACCTGCACCATGGAGGCCACCAGGCTGCCAACACCAGCCACGACCTGGCTCAGGC
 CCACGGGCTGGAGTCGGCCTCCGACCACCATGGCAACTTCTCCATCACCATGCGCAACCT
 GACCCTGCTGGATAGCGGCTCTACTGCTGCTGGTGGTGGAGATCAGGCACCACCACTC
 GGAGCACAGGGTCCATGGTGCCATGGAGCTGCAGGTGCAGACAGGCAAAGATGCACCATC
 CAACTGTGTGGTGTACCCATCCTCCTCCAGGAGAGTGAAAACATCACGGCTGCAGCCCT
 GGCTACGGGTGCCTGCATCGTAGGAATCCTCTGCCTCCCCCTCATCTGCTCCTGGTCTA
 CAAGCAAAGGCAGGCAGCCTCAACCGCCGTGCCAGGAGCTGGTGGGATGGACAGCAA
 CATTCAAGGGATTGAAAACCCCGCTTTGAAGCCTCACCACTGCCAGGGGATAACCGA
 GGCCAAAGTCAGGCACCCCTGTCTATGTGGCCAGCGGCAGCCTTCTGAGTCTGGGCG
 GCATCTGCTTTCGAGGCCAGCACCCCTGTCTCCTCCAGGCCCGGAGACGTCTTCTT
 CCCATCCCTGGACCCTGTCCCTGACTCTCAAACCTTTGAGGTATCTAGCCCAGCTGGGG
 GACAGTGGGCTGTTGTGGCTGGGTCTGGGGCAGGTGCATTTGAGCCAGGGCTGGCTCTGT
 GAGTGGCTCCTTGGCCTCGGCCCTGGTTCCCTCCCTCCTGCTCTGGGCTCAGATACTGT
 GACATCCCAGAAGCCAGCCCTCAACCCCTCTGGATGCTACATGGGGATGCTGGACGGC
 TCAGCCCTGTTCCAAGGATTTTGGGGTCTGAGATTCTCCCCTAGAGACCTGAAATTCA
 CCAGCTACAGATGCCAAATGACTTACATCTTAAGAAGTCTCAGAACGTCCAGCCCTCAG
 CAGCTCTCGTTCTGAGACATGAGCCTTGGGATGTGGCAGCATCAGTGGGACAAGATGGAC
 ACTGGGCCACCCTCCAGGCACCAGACACAGGGCACGGTGGAGAGACTTCTCCCCCGTGG
 CCGCCTTGGCTCCCCGTTTTGCCGAGGCTGCTTCTGTGAGACTTCTCTTTGTACC
 ACAGTGGCTCTGGGGCCAGGCCTGCCTGCCACTGGCCATCGCCACCTTACCCAGCTGCC
 TCCTACCAGCAGTTTCTCTGAAGATCTGTCAACAGGTTAAGTCAATCTGGGGCTTCCACT
 GCCTGCATTCCAGTCCCCAGAGCTTGGTGGTCCCGAACGGGAAGTACATATTGGGGCAT
 GGTGGCCTCCGTGAGCAAATGGTGTCTTGGCAATCTGAGGCCAGGACAGATGTTGCCCC
 ACCCACTGGAGATGGTGTGAGGGAGTGGTGGGGCCTTCTGGGAAGGTGAGTGGAGAG
 GGGCACCTGCCCCCGCCCTCCCATCCCCTACTCCCCTGCTCAGCGCGGGCCATTGCA
 AGGGTGCCACACAATGTCTTGTCCACCCTGGGACACTTCTGAGTATGAAGCGGGATGCTA
 TTA AAAACTACATGGGGAACAGGTGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_022153
Insert Size: 1900 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
OTI Annotation:	<p>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.</p>
Components:	<p>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).</p>
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:	<p>NM_022153.1, NP_071436.1</p>
RefSeq Size:	<p>4774 bp</p>
RefSeq ORF:	<p>936 bp</p>
Locus ID:	<p>64115</p>
UniProt ID:	<p>Q9H7M9</p>
Cytogenetics:	<p>10q22.1</p>
Protein Families:	<p>Transmembrane</p>
Gene Summary:	<p>Immunoregulatory receptor which inhibits the T-cell response (PubMed:24691993). May promote differentiation of embryonic stem cells, by inhibiting BMP4 signaling (By similarity). May stimulate MMP14-mediated MMP2 activation (PubMed:20666777).[UniProtKB/Swiss-Prot Function]</p>