

Product datasheet for **SC325063**

Growth Arrest Specific Protein 7 (GAS7) (NM_001130831) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Growth Arrest Specific Protein 7 (GAS7) (NM_001130831) Human Untagged Clone
Tag: Tag Free
Symbol: Growth Arrest Specific Protein 7
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_001130831, the custom clone sequence may differ by one or more nucleotides

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ATGGTCCCCCTCCGCCGGGAGAAGAAAGCCAGACGGTCATCCTTCCACCTGGCTGGCAG
AGCTACCTGTGCGCTCAGGGCCGGCGGTACTATGTCAACACGACCACCAATGAGACCACC
TGGGAACGTCCCAGCAGTTCTCCTGGGATTCCAGCCAGCCCTGGCTCTCACAGGAGCTCT
CTGCCTCCAACAGTGAATGGATACCACGCATCAGGGACCCAGCGCACCCCTCCAGAGACT
GCCCACATGAGTGTCCGAAAATCCACCGGTGATCCCAGAACCTGGGATCCTCATCGCCA
AGCAAAAAGCAGAGCAAGGAAAACACCATCACAATAAACTGTGTGACGTTCCCTCACCCA
GACACGATGCCGGAACAGCAGCTGCTGAAACCAACCGAGTGGAGCTACTGCGACTACTTC
TGGGTGATAAGAAGGACCCCAAGGCAACGGCACCGTGGCTGGGTTTGAAGTACTGCTC
CAGAAACAGCTGAAGGGCAAACAATGCAGAAGGAAATGCAGAATTCATCCGGGAAAGG
ATAAAGATTGAAGAAGACTATGCGAAGAAGTCTAGCTAAGCTCTCTCAGAAGTCTTGGCT
TCACAGGAGGAAGGCTCCTTGGGAGAGGCGTGGGCCAGGTGAAGAAGAGCCTGGCGGAC
GAAGCAGAAGTTCACCTCAAGTTCTCTGCCAAGCTTACAGCGAGGTGGAGAAGCCCTG
ATGAACTCCGTGAGAACTTCAAGAAAGACATGAAGAAGTGCACCACCACATTGCCGAC
CTTCGCAAGCAGCTCGCCAGCCGCTATGCCTCGGTGGAGAAGGCCGGAAAGCCCTCACA
GAGCGGCAGAGAGACCTGGAGATGAAGACCCAGCAGCTGGAGATCAAGCTGAGCAACAAG
ACAGAGGAGGACATCAAGAAGGCGCGGAGAAAGTCCACACAGGCTGGAGACGACCTCATG
CGCTGTGTGGATCTCTACAACCAGGCCAGTCCAATGGTTTGAAGAGATGGTGACCACC
ACATTGGAGCTAGAGCGGCTGGAGGTGGAGAGGGTAGAGATGATCCGGCAGCACCTGTGC
CAGTACACGCAGCTGCGGCATGAAACAGACATGTTCAACCAAAGCACAGTCGAGCCCGTG
GATCAGCTGCTTCGAAAAGTGGACCCGGCCAAAGACAGGGAGCTGTGGGTGAGAGAGCAC
AAGACGGGCAACATCCGCCCTGTGGACATGGAGATC
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Restriction Sites: Please inquire
ACCN: NM_001130831
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).



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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_001130831.1</u> , <u>NP_001124303.1</u>
RefSeq Size:	8024 bp
RefSeq ORF:	1239 bp
Locus ID:	8522
UniProt ID:	<u>O60861</u>
Cytogenetics:	17p13.1
Protein Families:	Transcription Factors
Gene Summary:	<p>Growth arrest-specific 7 is expressed primarily in terminally differentiated brain cells and predominantly in mature cerebellar Purkinje neurons. GAS7 plays a putative role in neuronal development. Several transcript variants encoding proteins which vary in the N-terminus have been described. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (d) uses an alternate first exon resulting in a shorter 5' UTR and alternative translation initiation site, compared to variant c. The encoded protein (isoform d) is shorter than that encoded by variant c.</p>