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Product datasheet for RC225647

Growth Arrest Specific Protein 7 (GAS7) (NM_001130831) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Growth Arrest Specific Protein 7 (GAS7) (NM_001130831) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GAS7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC225647 representing NM_001130831 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGTCCCCCCTCCGCCGGGAGAAGAAAGCCAGACGGTCATCCTTCCACCTGGCTGGCAGAGCTACCTGT CGCCTCAGGGCCGGCGGTACTATGTCAACACGACCACCAATGAGACCACCTGGGAACGTCCCAGCAGTTC TCCTGGGATTCCAGCCAGCCCTGGCTCTCACAGGAGCTCTCTGCCTCCAACAGTGAATGGATACCACGCA TCAGGGACCCCAGCGCACCCTCCAGAGACTGCCCACATGAGTGTCCGAAAATCCACCGGTGATTCCCAGA ACCTGGGATCCTCATCGCCAAGCAAAAAGCAGAGCAAGGAAAACACCATCACAATAAACTGTGTGACGTT CCCTCACCCAGACACGATGCCGGAACAGCAGCTGCTGAAACCAACCGAGTGGAGCTACTGCGACTACTTC TGGGCTGATAAGAAGGACCCCCAAGGCAACGGCACCGTGGCTGGGTTTGAACTACTGCTCCAGAAACAGC TGAAGGGCAAACAAATGCAGAAGGAAATGTCAGAATTCATCCGGGAAAGGATAAAGATTGAAGAAGACTA TGCGAAGAACTTAGCTAAGCTCTCTCAGAACTCCTTGGCTTCACAGGAGGAAGGCTCCTTGGGAGAGGCG TGGGCCCAGGTGAAGAAGAGCCTGGCGGACGAAGCAGAAGTTCACCTCAAGTTCTCTGCCAAGCTTCACA GCGAGGTGGAGAAGCCCCTGATGAACTTCCGTGAGAACTTCAAGAAAGACATGAAGAAGTGCGACCACCA CATTGCCGACCTTCGCAAGCAGCTCGCCAGCCGCTATGCCTCGGTGGAGAAGGCCCGGAAAGCCCTCACA GAGCGGCAGAGAGACCTGGAGATGAAGACCCAGCAGCTGGAGATCAAGCTGAGCAACAAGACAGAGGAGG ACATCAAGAAGGCGCGGAGAAAGTCCACACAGGCTGGAGACGACCTCATGCGCTGTGTGGATCTCTACAA CCAGGCCCAGTCCAAATGGTTTGAAGAGATGGTGACCACCACATTGGAGCTAGAGCGGCTGGAGGTGGAG AGGGTAGAGATGATCCGGCAGCACCTGTGCCAGTACACGCAGCTGCGGCATGAAACAGACATGTTCAACC AAAGCACAGTCGAGCCCGTGGATCAGCTGCTTCGAAAAGTGGACCCGGCCAAAGACAGGGAGCTGTGGGT CAGAGAGCACAAGACGGGCAACATCCGCCCTGTGGACATGGAGATC ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

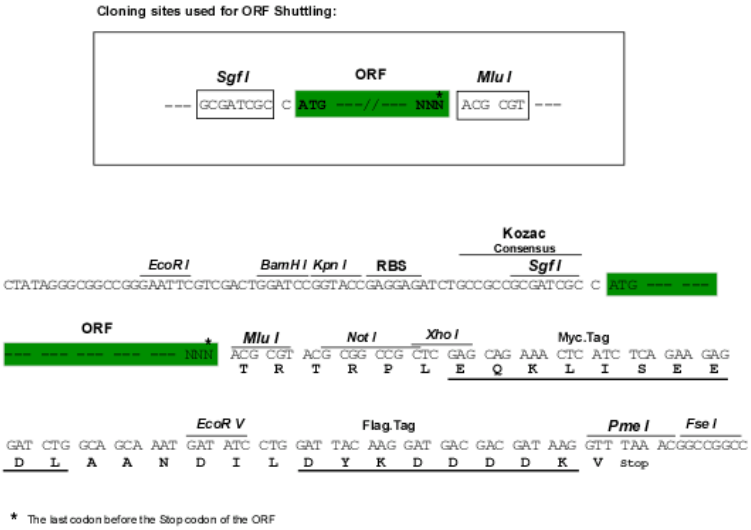
>RC225647 representing NM_001130831
Red=Cloning site Green=Tags(s)

MVPPPPGEESQTVILPPGWQSYLSPQGRRYYVNTTTNETTWERPSSSPGIPASPGSHRSSLPPTVNGYHA
SGTPAHPPETAHMSVRKSTGDSQNLGSSSPSKKQSKENTITINCVTFPHPDTMPEQQLLKPTEWSYCDYF
WADKKDPQGNGTVAGFELLLQKQLKGKQMQKEMSEFIRERIKIEEDYAKNLAKLSQNSLASQEEGSLGEA
WAQVKKSLADEAEVHLKFSAKLHSEVEKPLMNFRENFKKDMKKCDHHIADLRKQLASRYASVEKARKALT
ERQRDLEMKTQQLEIKLSNKTEEDIKKARRKSTQAGDDLMRCVDLYNQAQSKWFEEMVTTTLELERLEVE
RVEMIRQHLCQYTQLRHETDMFNQSTVEPVDQLLRKVDPAKDRELWVREHKTGNIRPVDMEI

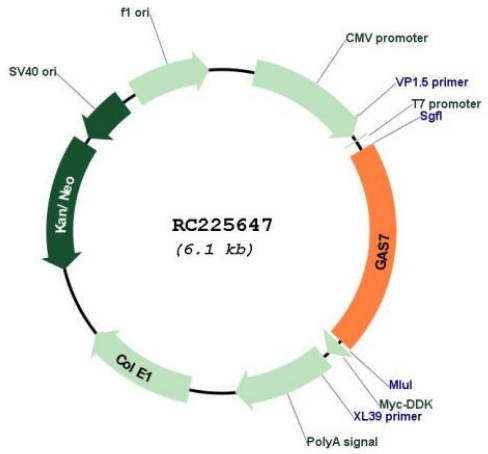
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001130831

ORF Size:	1236 bp
OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001130831.2
RefSeq Size:	8024 bp
RefSeq ORF:	1239 bp
Locus ID:	8522
UniProt ID:	O60861
Cytogenetics:	17p13.1
Protein Families:	Transcription Factors
MW:	47.3 kDa
Gene Summary:	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]