OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC200285

Growth Arrest Specific Protein 7 (GAS7) (NM_201432) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Growth Arrest Specific Protein 7 (GAS7) (NM_201432) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Growth Arrest Specific Protein 7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC200285 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGCCTGGAATGGTCCCCCCTCCGCCGGGAGAAGAAAGCCAGACGGTCATCCTTCCACCTGGCTGGC
AGAGCTACCTGTCGCCTCAGGGCCGGCGGTACTATGTCAACACGACCACCAATGAGACCACCTGGGAACG
TCCCAGCAGTTCTCCTGGGATTCCAGCCAGCCCTGGCTCTCACAGGAGCTCTCTGCCTCCAACAGTGAAT
GGATACCACGCATCAGGGACCCCAGCGCACCCTCCAGAGACTGCCCACATGAGTGTCCGAAAATCCACCG
GTGATTCCCAGAACCTGGGATCCTCATCGCCAAGCAAAAAGCAGAGCAAGGAAAACACCATCACAATAAA
CTGTGTGACGTTCCCTCACCCAGACACGATGCCGGAACAGCAGCTGCTGAAACCAACCGAGTGGAGCTAC
TGCGACTACTTCTGGGCTGATAAGAAGGACCCCCAAGGCAACGGCACCGTGGCTGGGTTTGAACTACTGC
TCCAGAAACAGCTGAAGGGCAAACAAATGCAGAAGGAAATGTCAGAATTCATCCGGGAAAGGATAAAGAT
TGAAGAAGACTATGCGAAGAACTTAGCTAAGCTCTCTCAGAACTCCTTGGCTTCACAGGAGGAAGGCTCC
TTGGGAGAGGCGTGGGCCCAGGTGAAGAAGAGCCTGGCGGACGAAGCAGAAGTTCACCTCAAGTTCTCTG
CCAAGCTTCACAGCGAGGTGGAGAAGCCCCTGATGAACTTCCGTGAGAACTTCAAGAAAGACATGAAGAA
GTGCGACCACCACATTGCCGACCTTCGCAAGCAGCTCGCCAGCCGCTATGCCTCGGTGGAGAAGGCCCGG
AAAGCCCTCACAGAGCGGCAGAGAGACCTGGAGATGAAGACCCAGCAGCTGGAGATCAAGCTGAGCAACA
AGACAGAGGAGGACATCAAGAAGGCGCGGAGAAAGTCCACACAGGCTGGAGACGACCTCATGCGCTGTGT
GGATCTCTACAACCAGGCCCAGTCCAAATGGTTTGAAGAGATGGTGACCACCACATTGGAGCTAGAGCGG
CTGGAGGTGGAGAGGGTAGAGATGATCCGGCAGCACCTGTGCCAGTACACGCAGCTGCGGCATGAAACAG
ACATGTTCAACCAAAGCACAGTCGAGCCCGTGGATCAGCTGCTTCGAAAAGTGGACCCGGCCAAAGACAG
GGAGCTGTGGGTCAGAGAGCACAAGACGGGCAACATCCGCCCTGTGGACATGGAGATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

>RC200285 protein sequence
Red=Cloning site Green=Tags(s)

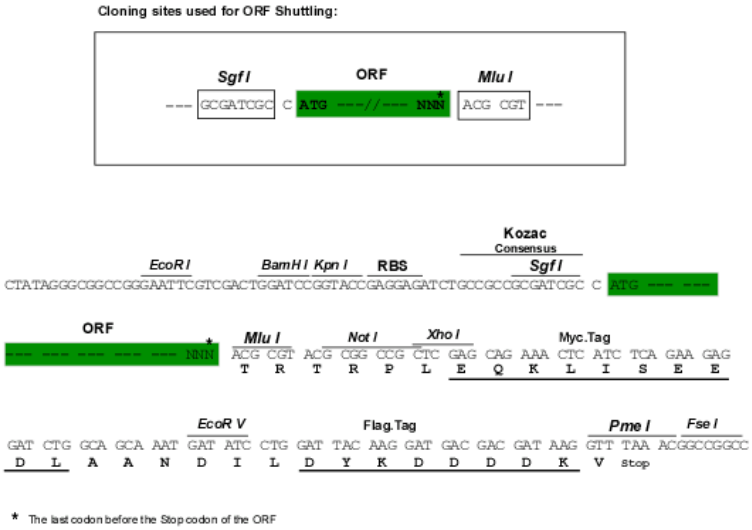
MKPGMVPPPPGEESQTVILPPGWQSYLSPQGRRYYVNTTTNETTWERPSSSPGIPASPGSHRSSLPPTVN
GYHASGTPAHPPETAHMSVRKSTGDSQNLGSSSPSKKQSKENTITINCVTFPHPDTMPEQQLLKPTEWSY
CDYFWADKKDPQGNGTVAGFELLLQKQLKGKQMQKEMSEFIRERIKIEEDYAKNLAKLSQNSLASQEEGS
LGEAWAQVKKSLADEAEVHLKFSAKLHSEVEKPLMNFRENFKKDMKKCDHHIADLRKQLASRYASVEKAR
KALTERQRDLEMKTQQLEIKLSNKTEEDIKKARRKSTQAGDDLMRCVDLYNQAQSKWFEEMVTTTLELER
LEVERVEMIRQHLCQYTQLRHETDMFNQSTVEPVDQLLRKVDPAKDRELWVREHKTGNIRPVDMEI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6408_a07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_201432

ORF Size: 1248 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_201432.2

RefSeq Size: 8181 bp

RefSeq ORF: 1251 bp

Locus ID: 8522

UniProt ID: O60861

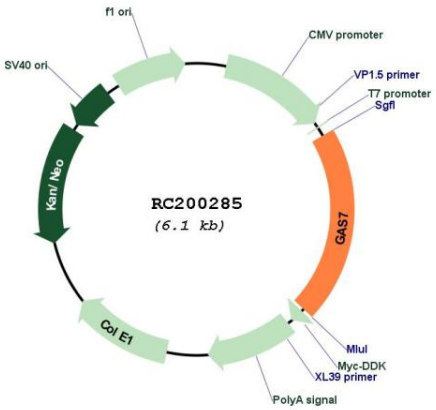
Cytogenetics: 17p13.1

Protein Families: Transcription Factors

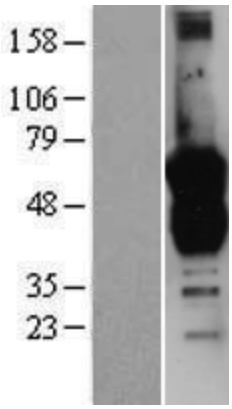
MW: 47.7 kDa

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]

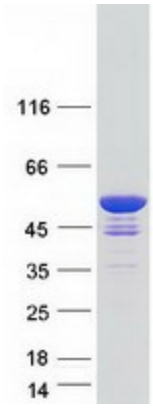
Product images:



Circular map for RC200285



Western blot validation of overexpression lysate (Cat# [LY404414]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200285 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified GAS7 protein (Cat# [TP300285]). The protein was produced from HEK293T cells transfected with GAS7 cDNA clone (Cat# RC200285) using MegaTran 2.0 (Cat# [TT210002]).