

Product datasheet for **RG213306**

GASK1B (NM_016613) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	GASK1B
Synonyms:	AD021; AD036; C4orf18; ENED; FAM198B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG213306 representing NM_016613
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGACCTGTCCAGACAAGCCGGGGCAGCTCATAAACTGGTTCATCTGCTCCCTGTGCGTCCCGGGGTGC
 GTAAGCTCTGGAGCAGCCGGCTCCAAGGACCCGGAGAAACCTTCTGCTGGGCACTGCGTGTGCCATCTA
 CTTGGGCTTCTGGTGAGCCAGGTGGGGAGGGCCTCTCTCCAGCATGGACAGCGGGCTGAGAAGGGGCCA
 CATCGCAGCCGCGACACCGCCGAGCCATCCTTCCCTGAGATACCCCTGGATGGTACCCTGGCCCCCTCCAG
 AGTCCCAGGGCAATGGGTCCACTCTGCAGCCCAATGTGGTGTACATTACCCTACGCTCCAAGCGCAGCAA
 GCCGGCCAATATCCGTGGCACTGTGAAGCCCAAGCGCAGGAAAAAGCATGCAGTGGCATCGGCTGCCCA
 GGGCAGGAGGCTTTGGTCGACCATCCCTTCAGCCGAGGAAGCGCAAGGGAAGCTGATGCTGTAGCAC
 CTGGGTACGCTCAGGGAGCAACCTGGTTAAGATTGGAGAGCGACCCTGGAGGTTGGTGGGGGTCCGGG
 AGTGCAGCCGGGGGCCAGACTTCTGCAGCCAGCTCCAGGGAGAGCAACATTAGGATCTACAGCGAG
 AGCGCCCCCTCCTGGCTGAGCAAAAGATGACATCCGAAGAATGCGACTCTTGGCGGACAGCGAGTGGCAG
 GGCTCCGGCTGTGTCTCTAGGAGCGGAGCCGTTTGTGCTGGTGGAGGGGGGCGCACCTGGCGCTGT
 GCTCCGCTGTGGCCCTAGCCCCCTGTGGCTTCAAGCAGCCCTTGGACATGAGTGAGGTGTTTGCCCTC
 CACCTAGACAGGATCCTGGGCTCAACAGGACCCTGCCGTCTGTGAGCAGGAAAGCAGAGTTTCATCCAAG
 ATGGCCGCCCATGCCCATCATTCTTTGGGATGCATCTTTATCTTCAGCAAGTAATGACACCCATTCTTC
 TGTTAAGCTCACCTGGGAACTTATCAGCAGTTGCTGAAACAGAAATGCTGGCAGAATGGCCGAGTACCC
 AAGCCTGAATCAGGTTGTACTGAAATACATCATCATGAGTGGTCCAAGATGGCACTCTTTGATTTTTGT
 TACAGATTTATAATCGCTTAGATACAAATTGCTGTGGATTGAGACCTCGCAAGGAAGATGCCTGTGTACA
 GAATGGATTGAGGCCAAAATGTGATGACCAAGGTTCTGCGGCTCTAGCACACATTATCCAGCGAAAAGCAT
 GACCCAAAGGCAATTTGGTTTTATAGACAACAAGGGTTCTTTGACAGGAGTGAAGATAACTTAACTTCA
 AATTGTTAGAAGGCATCAAGAGTTTCCAGCTTCTGCAGTTTCTGTTTTGAAGAGCCAGCACTTACGGCA
 GAACTTCTTCAGTCTCTGTTTCTTGATAAAGTGATTGGGAAAGTCAAGGAGGTAGACAAGGAATTGAA
 AAGCTTATCATGTAATAGAACACAGAGCCAAAATCTTATCACCTATATCAATGCACACGGGGTCAAAG
 TATTACCTATGAATGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG213306 representing NM_016613
 Red=Cloning site Green=Tags(s)

MTCPPKPGQLINWFICSLCVPRVRKLWSSRRPRTNRNLLGTACAIYLGFLVSQVGRASLQHQAAEKGP
 HRSRDTAEPFPEIPLDGLAPPESQNGSTLQPNVVYITLRSKRSPANIRGTVKPKRRKKHAVASAAP
 GQEALVGPSLQPQEAAREADAVAPGYAQGANLVKIGERPWRLLVRGPGVRAGGPDFLQPSRESNIRIYSE
 SAPSWLSKDDIRRMRLADSAGVLRPVSSRSRGLLVLEGGAPGAVLRGSPSPCGLLKQPLDMSEVFAF
 HLDRIILGNRLTPSVSRKAEIFQDGRPCPIILWDASLSSASNDTHSSVKLTWGTYYQLLKQKQWQNGRVP
 KPESGCTEIIHHEWSKMAFDLFLQIYNRLDTNCCGFRPRKEDACVQNGLRPKCDDQGSAAAHIIQRKH
 DPRHLVFIDNKGFFDRSEDNLFKLLLEGIKEFPASAVSVLKSQHLRQKLLQSLFLDKVYWESQGGRRQIE
 KLIDVIEHRAKILITYINAHGVKVLPMNE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016613

ORF Size: 1557 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_016613.5](#), [NP_057697.2](#)

RefSeq Size: 4651 bp

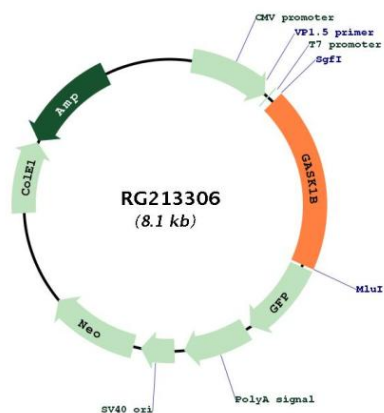
RefSeq ORF: 1560 bp

Locus ID: 51313

UniProt ID: [Q6UWH4](#)

Cytogenetics: 4q32.1

Product images:



Circular map for RG213306