

Product datasheet for **RG207389**

GASK1B (NM_001031700) 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: >RG207389 representing NM_001031700
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAACTACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGACCTGTCCAGACAAGCCGGGGCAGCTCATAAACTGGTTCATCTGCTCCCTGTGCGTCCCGGGGTGC
 GTAAGCTCTGGAGCAGCCGGCTCCAAGGACCCGGAGAAACCTTCTGCTGGGCACTGCGTGTGCCATCTA
 CTTGGGCTTCTGGTGAGCCAGGTGGGGAGGGCTCTCTCCAGCATGGACAGCGGGCTGAGAAGGGGCCA
 CATCGACGCCGACACCGCCGAGCCATCCTTCCCTGAGATACCCCTGGATGGTACCCTGGCCCCCTCCAG
 AGTCCAGGGCAATGGGTCCACTCTGCAGCCCAATGTGGTGTACATTACCCTACGCTCCAAGCGCAGCAA
 GCCGGCCAATATCCGTGGCACCCTGAAGCCCAAGCGCAGGAAAAAGCATGCAGTGGCATCGGCTGCCCA
 GGGCAGGAGGCTTTGGTCGGACCATCCCTTCAGCCGAGGAAGCGCAAGGGAAGCTGATGCTGTAGCAC
 CTGGGTACGCTCAGGGAGCAACCTGGTTAAGATTGGAGAGCGACCCTGGAGGTTGGTGGGGGTCCGGG
 AGTGCAGCCGGGGGCCAGACTTCTGCAGCCAGCTCCAGGGAGAGCAACATTAGGATCTACAGCGAG
 AGCGCCCCCTCTGGCTGAGCAAAAGATGACATCCGAAGAATGCGACTCTTGGCGGACAGCGAGTGGCAG
 GGCTCCGGCTGTGTCTCTTAGGAGCGGAGCCGTTTGTGCTGGTGGAGGGGGGCGCACCTGGCGCTGT
 GCTCCGCTGTGGCCCTAGCCCCCTGTGGCTTCTCAAGCAGCCCTTGACATGAGTGAGGTGTTTGCCTTC
 CACCTAGACAGGATCCTGGGCTCAACAGGACCCTGCCGTCTGTGAGCAGGAAAGCAGAGTTTCATCCAAG
 CAGCAGCAGCAGCGTGTCTTTCCATGCGCTTGGCATTCTTTATTTTCCAGCCTGGGAGGATATGAGAGT
 TCCAGGAAATGCTGTATTGGACATGCAAGGCTCACCTGGGGAAGTTATCAGCAGTTGCTGAAACAGAAA
 TGCTGGCAGAATGGCCGAGTACCAAGCCTGAATCAGGTTGTACTGAAATACATCATCATGAGTGGTCCA
 AGATGGCACTTTTGATTTTTTGTACAGATTTATAATCGCTTAGATACAAATTGCTGTGGATTAGACC
 TCGCAAGGAAGATGCCTGTGTACAGAATGGATTGAGGCCAAAATGTGATGACCAAGGTTCTGCGGCTCTA
 GCACACATTATCCAGCGAAAGCATGACCAAGGCATTTGGTTTTTATAGACAACAAGAGTTTCTTTGACA
 GGAGTGAAGATAACTTAACTTCAAATTGTTAGAAGGCATCAAAGAGTTTCCAGCTTCTGCAGTTTCTGT
 TTTGAAGAGCCAGCACTTACGGCAGAACTTCTTCAGTCTCTGTTTCTTGATAAAGTGTATTGGGAAAGT
 CAAGGAGGTAGACAAGGAATTGAAAAGCTTATCGATGTAATAGAACACAGAGCCAAAATCTTATCACCT
 ATATCAATGCACACGGGTCAAAGTATTACCTATGAATGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG207389 representing NM_001031700
 Red=Cloning site Green=Tags(s)

MTCPPKPGQLINWFICSLCVPRVRKLWSSRRPRTRNLLLGTACAIYLGFLVSQVGRASLQHGQAAEKGP
 HRSRDTAEPFPEIPLDGLAPPESQNGSTLQPNVVYITLRSKRSPANIRGTVKPKRRKKHAVASAAP
 GQEALVGPSLQPQEAAREADAVAPGYAQGANLVKIGERPWRVLRGPGVRAGGPDFLQPSRESNIRIYSE
 SAPSWLSKDDIRRMRLADSAGVLRPVSSRSGARLLVLEGGAPGAVLRGPGSPCGLLKQPLDMSEVFAF
 HLDRIILGLNRTLPSVSRKAEFIQAAAAACLSMRLAFFIFPAWEDMRVPGKCCIGHARLTWGTYYQLLKQK
 CWQNGRVKPKPESGCTEIHHEWSKMAFDLLQIYNRLDTNCCGFRPRKEDACVQNGLRPKCDDQGSAA
 AHIIQRKHDPRLHVFIDNKSFFDRSEDNLNFKLLEGIKEFPASAVSVLKSQHLRQKLLQSLFLDKVYWES
 QGGRQGIKELIDVIEHRAKILITYINAHGVKVLPMNE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001031700

ORF Size: 1581 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_001031700.1](#), [NP_001026870.1](#)

RefSeq Size: 4591 bp

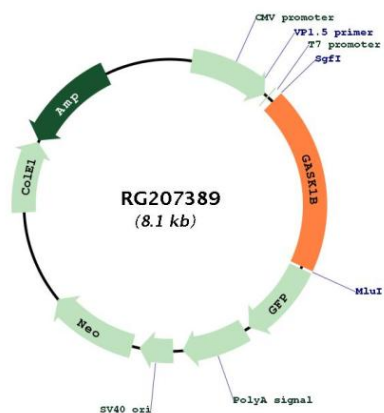
RefSeq ORF: 1584 bp

Locus ID: 51313

UniProt ID: [Q6UWH4](#)

Cytogenetics: 4q32.1

Product images:



Circular map for RG207389