

Product datasheet for **RG207415**

GEFT (ARHGEF25) (NM_182947) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | GEFT (ARHGEF25) (NM_182947) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | GEFT |
| Synonyms: | GEFT; p63RhoGEF |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>RG207415 representing NM_182947
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATCGGGGGGGGCACAAAGGGGGTGCCTGTGCCTGTCCCGTGTGATCCGAAAAGTCTGGCAAATGCG
 GCTGCTGCTTCGCCCCGGGGGGACGTGAATCCTATTCCATTGCGGGCAGTGAGGGGAGTATATCGGCTTC
 TGCTGCCTCCGGTCTGGCTGCCCCCTCTGGCCCCAGCTCTGGCCTCAGCTCTGGCCCTGTTCCCCAGGC
 CCCCCAGGGCCCGTCAGTGGCCTGAGGAGATGGTTGGATCATTCCAACATTGTCTCAGTGTGAAACTG
 AGGCAGACAGTGGTCAGGCAGGACCATATGAGAACTGGATGTTGGAGCCAGCTCTAGCCACAGGAGAGGA
 GCTGCCGAACTGACCTTGTGACCACACTGTTGGAGGGCCCTGGAGATAAGACGCAGCCACCTGAAGAG
 GAGACTTGTCCCAAGCCCCTGAGAGTGAGGAGGAACAGAAGAAGAGCTCTGAAAGGAGTATGTATG
 TCCTGAGTGAAGTGTAGAAACAGAGAAAATGTACGTGGACGACTTGGGGCAGATTGTGGAGGGTTATAT
 GGCCACCATGGCTGCTCAGGGGGTCCCCGAGAGTCTTCGAGGCCGTGACAGGATTGTGTTGGGAATATC
 CAGCAAATCTATGAGTGGCACCGAGACTATTTCTTGCAAGAGCTACAACGGTGTCTGAAAGATCCTGATT
 GGCTGGCTCAGCTATTCATCAAACACGAGCGCCGGCTGCATATGTATGTGGTGTACTATCAGAATAAGCC
 CAAGTCAGAGCATGTGGTGTGAGAGTTTGGGGACAGCTACTTTGAGGAGCTCCGGCAGCAGCTGGGGCAC
 CGCCTGCAGCTGAACGACCTCCTCATCAAACCTGTGCAGCGGATCATGAAATACCAGCTGCTGCTCAAGG
 ATTTTCTCAAGTATTACAATAGAGCTGGGATGGATACTGCAGACCTAGAGCAAGCTGTGGAGGTCATGTG
 CTTTGTGCCAAGCGCTGCAACGATATGATGACGCTGGGAGATTGCGGGGATTTGAGGGCAAAGTACTG
 GCTCAGGGGAAGCTCTTGGCCAGGACACTTTCTGGGTCACCGAGCCTGAGGCTGGAGGGCTGCTGTCTT
 CCCGAGTTCGAGAGAGGCGCTCTTCTCTTTGAGCAAATCATCATCTTCAGTGAAGCCCTGGGAGGAAG
 AGTGAGAGGTGGAACACAGCCTGGATATGTATACAAGAACAGCATTAAAGGTGAGCTGCCTGGGACTGGAG
 GGAACCTCCAAGGTGACCCCTTGCCTTTGCACTGACCTCCAGAGGGCCAGAGGGTGGGATCCAGCGCT
 ATGTCCTGCAGGCTGCAGACCCTGCTATCAGTCAGGCCTGGATCAAGCATGTGGCTCAGATCTTGGAGAG
 CCAACGGGACTTCTCAACGCATTGCAGTCACCCATTGAGTACCAGAGACGGGAGAGCCAGACCAACAGC
 CTGGGGCGGCCAAGAGGGCCTGGAGTGGGGAGCCCTGGAAGAATTCGGCTTGGAGATCAGGCCAGGGCA
 GCACACACACCCATCAATGGCTCTCTCCCTCTCTGCTGCTGTACCCAAAGGGGAGGTGGCCAGAGC
 CCTCTTGCAGTGGATAAACAGGCCCTTGGTGACATCCCCAGGCTCCCCATGACTCTCCTCCAGTCTCT
 CCAACTCAAAAACCCCTCCCTGCCAAGCCAGACTTGCCAAGCTGGATGAAGATGAGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG207415 representing NM_182947
 Red=Cloning site Green=Tags(s)

MRGGHKGGRCACPRVIRKVLAKCGCCFARGGRESYSIAGSEGSISASAASGLAAPSGPSSGLSSGPCSPG
 PPGPVSGLRRLDHSKHCLSVETEADSGAGPYENWMLEPALATGEELPELTLTTLLLEGPGDKTQPPEE
 ETLSPAPESEEEQKKALERSMYVLSSELVETEKMYVDDLQIIVEGYMATMAAQGVPESLRGRDRIVFNI
 QQIYEWHRDYFLQELQRCLKDPDLAQLFIKHERRLHMYVYVYQNKPKSEHVSEFGDSYFEELRQLGH
 RLQLNDLLIKPVQRIMKYQLLLKDFLKYNNRAGMDADLEQAVEVMCFVPKRCNDMMTLGRLRGFEGKLT
 AQGKLLGQDTFWVTEPEAGLLSSRGRERRVFLFEQIIIFSEALGGRVRRGTQPGYVYKNSIKVSLGLE
 GNLQGDPCRFBALTSRGPPEGGIQRYVLAADPAISQAWIKHVAQILESQRDFLNALQSPIEYQRRESQTN
 LGRPRGPGVSPGRIRLGDQAQGSTHTPINGSLPSLLLSPKGEVARALLPLDKQALGDIPQAPHDSPPVS
 PTPKTPPCQARLAKLDEDEL

TRTRPLE - GFP Tag - V

Restriction Sites:

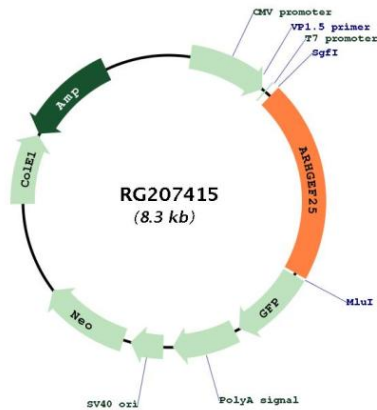
SgfI-MluI

UniProt ID: [Q86VW2](#)

Cytogenetics: 12q13.3

Gene Summary: Rho GTPases alternate between an inactive GDP-bound state and an active GTP-bound state, and GEFs facilitate GDP/GTP exchange. This gene encodes a guanine nucleotide exchange factor (GEF) which interacts with Rho GTPases involved in contraction of vascular smooth muscles, regulation of responses to angiotensin II and lens cell differentiation. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012]

Product images:



Circular map for RG207415