

Product datasheet for RC205287

FRAT1 (NM_005479) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | FRAT1 (NM_005479) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | FRAT1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RC205287 representing NM_005479 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGTGCCGGAGGGAGGAGGAAGAGGAAGCCGGCGAGGAGGCCGGAGGGGGAGGAAGAGGAGGAGGACA
GCTTCCTCCTACTGCAGCAGTCAGTGGCGCTGGGCAGCTCGGGCGAGGTGGACCGCTGGTGGCCAGAT
CGGCGAGACGCTGCAGCTGGACCGCGGCAGCACAGCCCGGCTCGCCGTGCGGGCCCCGGGGGCGCCG
CTGCGGGCCCCGGGGCCCTGGCTGCGGGGTGCCGGCGGACAAGGCCAGTCCCCGGCGGTGCCGTGC
TGCTGCCCGCCGCTGGCGGAGACTGTGGGCCGGCCCGCCCTGGGGTCTGCGCTGCGCCCTGGGGGA
CCGCGGCCGCGTGCGGGGCCGCGCTGCGCCCTACTGCGTGGCCGAGCTCGCCACAGGCCCCAGCGCGCTG
TCCCCACTGCCCCCTCAGGCCGACCTTGATGGGCCTCCGGGAGCTGGCAAGCAGGGCATCCCGCAGCCGC
TGTCCGGTCCGTGCCGGCAGGATGGCTCCGGGGCGCCGCGCTCCCGCCGCTGCAGCAGCGACGCGG
GTCCCAACCAGAAACCCGCACAGGCGACGACGCCGACCGCTTCTGCAGCAGCTAGTGCTCTCTGGA
AACCTCATCAAGGAGGCCGTGCGAAGGCTTCATTCGCGACGGCTGCAGTTACGTGCAAAGCTTCCCAAC
GCCGCTCCTGGACCTGTGCGCCCCGGTGCATGAACCCCTTCGCTCGCAGCCCTCGCGGGCCTG
CAGTGACCCTGGCGCTCCGGGAGGGCGCAGCTCAGAACTGGCGACGGCCTTCTGTGCCTGGCAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_005479.4](#)

RefSeq Size: 2653 bp

RefSeq ORF: 840 bp

Locus ID: 10023

UniProt ID: [Q92837](#)

Cytogenetics: 10q24.1

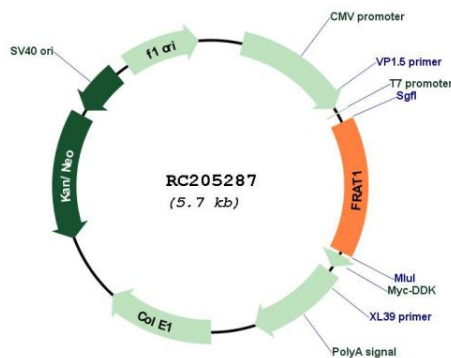
Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Stem cell relevant signaling - Wnt Signaling pathway

Protein Pathways: Wnt signaling pathway

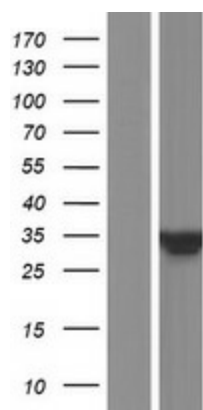
MW: 28.9 kDa

Gene Summary: The protein encoded by this gene belongs to the GSK-3-binding protein family. The protein inhibits GSK-3-mediated phosphorylation of beta-catenin and positively regulates the Wnt signaling pathway. It may function in tumor progression and in lymphomagenesis. [provided by RefSeq, Oct 2008]

Product images:



Circular map for RC205287



Western blot validation of overexpression lysate (Cat# [LY417281]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205287 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).