

Product datasheet for **SC324572**

FRAT2 (NM_012083) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FRAT2 (NM_012083) Human Untagged Clone
Tag:	Tag Free
Symbol:	FRAT2
Synonyms:	FRAT-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_012083.2
 CTTCCGCGTCCGCCCTGCTCCGGCTTCGCCCGCAGCTCCGCGCCCGCGGGCAACCAAGC
 CCCCAGCGAAGCCCGCACAGCTCCGGGTGCCAGGACGGGGGCCATGCCGTGCCGGAGGG
 AGGAGGAAGAGGAAGCCGGCGAGGAGGCGGAGGGGAGGAAGAGGAGGACGACAGCTTCC
 TCCTGCTGCAGCAGTCGGTGACGCTGGGCAGCTCGGGCGAGGTGGACCGGCTGGTGGCCC
 AGATCGGGGAGACGCTGCAGCTGGACGCGGCGCAGGACAGCCCGCCTCGCCGTGCGCGC
 CCCCAGGGGTGCCGTGCGGGCCCGGGGCCCTGGCTGCGGGCGGTGCCGACGGACAAG
 CCCGGCCCCCGGGTGCCTGCTGCTGCCGCCGCTTCGGCTGAGACGGTGGGCCCGG
 CGCCCTCTGGGGCCCTGCGCTGCGCCCTAGGGGACCGCGCCGCGTGCAGGACGCGCTG
 CGCCCTACTGCGTGGCGGAGGTGCGCGCAGGCCAGCGCGCTGCCGGGGCCGTGCCGGC
 GAGGATGGCTCAGGGACGCGGTACCTCCCGCGCTTGCAGCAGCGCCGATGGACCCAAG
 CCGGGGACGCGCCGGCAGCAGACCCGCATCGGCTCCTCCAGCAGCTCGTGTCTCGG
 GAAACCTCATCAAGGAAGCCGTGCGGAGACTCAAACGAGCCGTGCCCGGTTGCAGCCA
 CGGGCCCCGAAGCGCCCTGGGCCCGGGGAGGCCGAGCGGACCTGACCGATTGCC
 TGCAGCCCTCAGGCTCCTTGTCTGACGCGAGCCTCCTGGAGGAGGAAGTGGAGGCCGT
 GGGTAGACCCAACAGCGTCCAGTTCCTACTAAGCTGAGCTGAAGCCGAGTCCGACGCC
 TGGGAGCGACCACCTTTGGCTGCGGGGAGGCGGTGGGGAGAGATCTCAACCAGAGAAGTT
 ACCAGCCGCGGCGAGGCCGTCCGAGAAAATTAAGCGTGGAGAAATGTATGCGCCAGGGT
 GCTTCCGTGGGGCATGAGAATTTCCCGGCCATCCAAGCCAAGGACCTGGGATAAACTG
 GGAGAATATGGCAGCTACTTGCATCGACTTGTACCTCACTTAGCCCTTGGGGCGTGT
 GAGCTTGGATTGTTTAAAGGAGGGCTCAGGGGTAGGAATCGCGATGGCTTTATAACAATAC
 TTGAAAATAACGACACGCATACATTTTCTTATTTCTGGTGGAGGAGCTTAGTAAGTGG
 TGCTACAATTGCTGTGCAAAGAAATCCAGAGGGGAGAAGAATGAAAAGTTTGGTGGT
 GGTGGCTTGGCATTGCCCTTTTTCCACCGATTCCGGTGGTGAAGGTGGGAGATGT
 GAACTCCAATTAAGGACTGGAGAGAGGTGAAGAATTTTGCAGGTGGGAGATTTGGATTT
 GAATGTGGACTTGTAATGACTTGACCTTGCCATCTGTGTTCAAGGTACGCGTTTGTGT
 GGGGTTCTGGGAGAGCTTACTCACCCCGAGTCTTTTCTTTCTTGTCCAAGAAGAG
 CCCTGTTGGTGTACCACCGCTTGGAGTCTCCGAGGACACAAACAGGCAGAGAGGGA
 CGTGTAGGAGAGTCTTCTGTTTCTGTGCTTTCTTTTACAGGACTCCCGGAAGG
 CCACTCATGGCCATGCCAGGAGCTTCTCAGAAACAGTCATAAACGATCTCTTGAGTCTC
 TTTCTTGTCTCCAGCTGAGCTTCTTATTCCACCTTTCTGGTGTCTATAGGAATGCA
 TGAGAGACCTGGACGTTTTTCTGCTCTTCTGGCCCTCCATGGAGCCATGGGCCTCGG
 CCTCGGGGCTCCTCACCTCACAAATTTATTTCTCTCCCGTGCCAGCCCTTCTTTTGT
 GTCTGAAACCGGTTTTAAATGTGACTCTCCAGAGAAGAAGCCGCTGGCTGTATGAAAC
 TTGACGGCGCTTTTGAAGGTGCCACCCCAAACCTTAAAGGTAGCTAAACCAATTTTAA
 AAGATTCAATGGCTTGTTCATCTCCAGATGTAGCTATTGATGTACACTCGCAACGGAG
 TGTCTGAAATTGGTGGTCTGATTTATAGGATTTCAATTAATTAATGTCTGCTGAATA
 AAAAAAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM_012083
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<ol style="list-style-type: none">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:	<u>NM_012083.2</u> , <u>NP_036215.1</u>
RefSeq Size:	2222 bp
RefSeq ORF:	702 bp
Locus ID:	23401
UniProt ID:	<u>O75474</u>
Cytogenetics:	10q24.1
Domains:	GSK-3_bind
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS
Protein Pathways:	Wnt signaling pathway
Gene Summary:	The protein encoded by this intronless gene belongs to the GSK-3-binding protein family. Studies show that this protein plays a role as a positive regulator of the WNT signaling pathway. It may be upregulated in tumor progression. [provided by RefSeq, Jul 2008]