

Product datasheet for **RC204949**

FTSJ3 (NM_017647) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FTSJ3 (NM_017647) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FTSJ3
Synonyms:	EPCS3; SPB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC204949 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCAAGAAGGGCAAAGTTGGCAAGAGCCGACGAGACAAGTTTATCACTTGGCGAAGGAGACGGGTT
 ACCGTTCCCGATCTGCTTTCAAGCTGATCCAGCTCAATCGCCGCTTTCAGTTCCTGCAGAAAGCCCGAGC
 CTTGCTGGACCTGTGTGCTGCGCCAGGGGATGGCTGCAGGTAGCTGCCAAGTTTATGCCTGTATCCAGC
 CTTATTGTGGGAGTGGACCTGGTCCAATCAAGCCTCTCCCAATGTGGTGACTCTCCAGGAGGACATCA
 CAACAGAACGTTGTAGGCAGGCCCTGAGGAAGGAGCTGAAGACCTGGAAGGTTGATGTTGTGCTCAATGA
 TGGGGCCCCAACGTTGGGGCTAGCTGGGTCCATGATGCTTACTCACAAGCCATTTGACACTGATGGCT
 CTACGTTTGGCTTGTGACTTTTTGGCCGTGGTGGCAGCTTCATCACAAGGTTTTCCGTTCTCGTGACT
 ATCAGCCTCTGCTATGGATCTTTCAGCAGCTGTTCCGCCGTGCCAGGCCACCAAGCCCCAAGCCTCTCG
 CCATGAATCTGCAGAGATCTTTGTAGTCTGCCAAGGATTCTGGCCCCTGACAAGTTGACAGTAAATTC
 TTTGACCCCAAATTTGCCTTAAGGAGGTTGAAGTTCAGGCTAAGACCGTACTGAATTGGTTACTAAGA
 AGAAGCCAAAGGCTGAAGGCTATGCTGAGGGTGACCTCACTCTCTATCACCGTACCTCAGTCACTGACTT
 CCTCCGAGCTGCCAACCTGTTGACTTCTCTCCAAGGCCAGCGAAATCATGGTAGATGATGAAGAGTTG
 GCACAGCATCCAGCTACCACTGAGGACATACGGGTGTGCTGTCCAGGACATCAGAGTGTGGGGCGCAAGG
 AGCTCAGGTGCTACTAACTGGAGAACAAAATTCGGCGATATGTGGCCAAGAAGCTGAAAAGAACAAGC
 AAAGGCACTGGACATCAGCCTCAGCTCTGGAGAGGAAGATGAAGGTGATGAGGAGGACTCAACAGCTGGA
 ACCACAAAGCAGCCCTCTAAGGAGGAGGAGGAAGAGGAGGAGGAGGAACAACCTGAACCAGACCTTGGCAG
 AAATGAAGGCCCCAGGAGGTGGCGAATTAAGAGGAAGAAAAGAAAGCTGTTGCGTGAGCAGAGAAAAGCA
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 ATCTCTGGATAGTGACTGGATCCAGAGGAGCTGGCAGGAGTCAAGGGACATCAGGGTCTAAGGGACCAA
 AAGCGTATGCGACTTACTGAAGTCAAGATGATAAAGAGGAGGAGGAGGAGGAGAATCCACTGCTGGTAC
 CACTGGAGGAAAAGGCAGTACTGCAGGAAGAACAAGCCAACTGTGGTTCTCAAAGGGCAGCTTTGCTGG
 GATCGAGGACGATGCCGATGAGGCCCTGGAGATCAGTCAAGGCCAGCTGTTATTTGAGAACCAGCGGAAG
 GGACGGCAGCAGCAGCAGAAGCAGCAGCTGCCACAGACACCCCTTCTGTTTGAAGACTGAGATAATGT
 CTCCCCTGTACCAAGATGAAGCCCTAAGGGAACAGAGGCTTCTCGGGGACAGAAGCTGCCACTGGCCT
 TGAAGGGGAAGAAAAGGATGGCATCTCAGACAGTATAGCAGTACTAGCAGTGAAGGAAGAAGAGAGCTGG
 GAACCCCTCCGTGGTAAGAAGCGAAGCCGTGGGCCAAGTCAAGTCAAGTATGACGGGTTTGAAGATAGTGCCTA
 TTGAGGACCCAGCGAAACATCGGATACTGGACCCGAAGGCCCTTCTAGTGTGTTATTGCCTCTTC
 CAAAAAGGCCAAGAGAGACCTCATAGATAACTCCTTCAACCGGTACACATTTAATGAGGATGAGGGGGAG
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 TAGAAAAGAAAAGGAGGATGCTGAAGAGGCTGGAGCAGACCAGGAAGAAGGCAGAAGCCGTGGTGAACACA
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 AGAAAACGCCATGTACCTACGTTGTAGCAAAAAAGGTGTGGGCCGAAAAGTGGCCGGCCAGCTGGAGT
 CAGAGGTCATTTCAAGGTGGTGGACTCAAGGATGAAGAAGGACCAAGAGCACAGCAACGTAAGGAACAA
 AAGAAAAACACAACCGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC204949 protein sequence
 Red=Cloning site Green=Tags(s)

MGKKGKVGKSRDDKFYHLAKETGYRSRSAFKLIQLNRRFQFLQKARALLDLCAAPGGWLQVAAKMPVSS
 LI VGVDLVPIKPLPNVVTLQEDITTECRQALRKELKTWKVDVVLNDGAPNVGASVWHDAYSQAHLTLMA
 LRLACDFLARGGSFITKVFRRSDYQPLLWIFQQLFRRVQATKPKQASRHEAEIFVVCQGFLAPDKVDSKF
 FDPKFAFKEVEVQAKTVTELVTKKKPKAEGYAEGLTL YHRTSVTDFLRAANPVDFLSKASEIMVDDEEL
 AQHPATTEDIRVCCQDIRVLGRKELRSLLNWRTKLRRYVAKKLEQAKALDISLSSGEEDEGDEEDSTAG
 TTKQPSKEEEEEEEQLNQT LAEMKAQEVAELKRKKKLLREQRKQRRERVELKMDLPGVSIADGETGM
 FSLCTIRGHQLLEEVTQGDMSAADTFLSDLPRDDIYVSDVEDDGGDTSLSDLDPEELAGVRGHQGLRDQ
 KRMRLTEVQDDKEEEEEENPLL VPLEEKAVLQEEQANLWFSKGSFAGIEDDADEALEISQAQLLFENRRK
 GRQQQKQQLPQTPPSCLKTEIMSPLYQDEAPKGT EASSGTEAATGLEGEEKDGISDSDSSTSSEEEESW
 EPLRGKRSRGPKSDDDGF EIVPIEDPAKHRILDPEGLALGAVIASSKKAKRDLIDNSFNRYTFNEDEGE
 LPEWFVQEEKQHRIRQLPVGKKEVEHYKRWRW E INARPIKKVAEAKARKRRMLKRLEQTRKKA EAVVNT
 VDISEREKVAQLRSLYK KAGLGKEKRHVTVVAKKGVGRKVRPAGVRGHFKVVD SRMKDQRAQQRKEQ
 KKKHKRK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

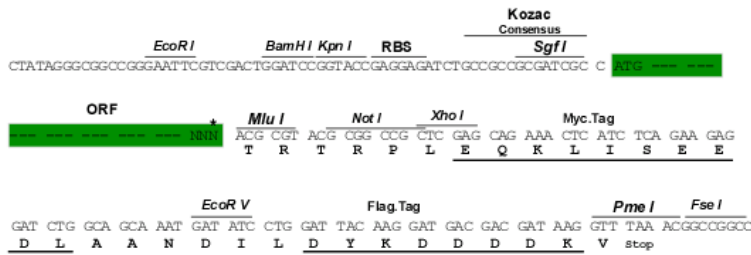
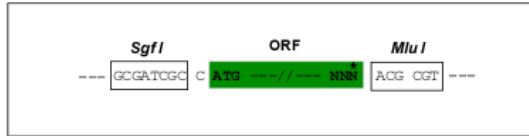
https://cdn.origene.com/chromatograms/mk6712_d07.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

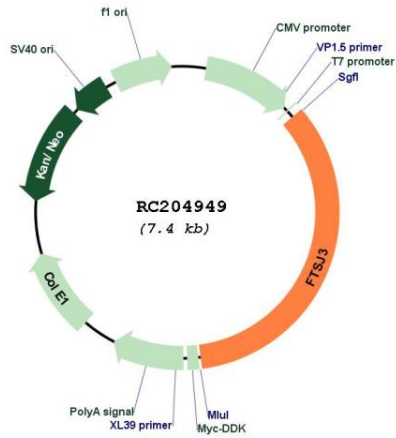
Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:	NM_017647
ORF Size:	2541 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:	<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:	NM_017647.2 , NP_060117.2
RefSeq Size:	3586 bp
RefSeq ORF:	2544 bp
Locus ID:	117246
UniProt ID:	Q8IY81
Cytogenetics:	17q23.3
Domains:	Ftsj
MW:	96.6 kDa
Gene Summary:	Although the function of this gene is not known, the existence of this gene is supported by mRNA and EST data. A possible function of the encoded protein can be inferred from amino acid sequence similarity to the E.coli Ftsj protein and to a mouse protein possibly involved in embryogenesis. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC204949