

## Product datasheet for **RG204949**

### FTSJ3 (NM\_017647) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FTSJ3 (NM_017647) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FTSJ3
Synonyms:	EPCS3; SPB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG204949 representing NM\_017647  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGCAAGAAGGGCAAAGTTGGCAAGAGCCGACGAGACAAGTTTATCACTTGGCGAAGGAGACGGGTT  
 ACCGTTCCCGATCTGCTTCAAGCTGATCCAGCTCAATCGCCGCTTTCAGTTCCTGCAGAAAGCCCGAGC  
 CTTGCTGGACCTGTGTGCTGCGCCAGGGGATGGCTGCAGGTAGCTGCCAAGTTTATGCCTGTATCCAGC  
 CTTATTGTGGGAGTGGACCTGGTCCAATCAAGCCTCTCCCAATGTGGTGACTCTCCAGGAGGACATCA  
 CAACAGAACGTTGTAGGCAGGCCCTGAGGAAGGAGCTGAAGACCTGGAAGGTTGATGTTGTGCTCAATGA  
 TGGGGCCCCAACGTTGGGGCTAGCTGGGTCCATGATGCTTACTCACAAGCCATTTGACACTGATGGCT  
 CTACGTTTGGCTTGTGACTTTTTGGCCGTGGTGGCAGCTTCATCACAAGGTTTTCCGTTCTCGTGACT  
 ATCAGCCTCTGCTATGGATCTTTCAGCAGCTGTTCCGCCGTGCCAGGCCACCAAGCCCCAAGCCTCTCG  
 CCATGAATCTGCAGAGATCTTTGTAGTCTGCCAAGGATTCTGGCCCCTGACAAGTTGACAGTAAATTC  
 TTTGACCCCAAATTTGCCTTAAAGGAGGTTGAAGTTCAGGCTAAGACCGTACTGAATTGGTTACTAAGA  
 AGAAGCCAAAGGCTGAAGGCTATGCTGAGGGTGACCTCACTCTCTATCACCGTACCTCAGTCACTGACTT  
 CCTCCGAGCTGCCAACCTGTTGACTTCTCTCCAAGGCCAGCGAAATCATGGTAGATGATGAAGAGTTG  
 GCACAGCATCCAGCTACCACTGAGGACATACGGGTGTGCTGTCCAGGACATCAGAGTGTGGGGCGCAAGG  
 AGCTCAGGTCGCTACTAACTGGAGAACAAAATTCGGCGATATGTGGCCAAGAAGCTGAAAAGAACAAGC  
 AAAGGCACTGGACATCAGCCTCAGCTCTGGAGAGGAAGATGAAGGTGATGAGGAGGACTCAACAGCTGGA  
 ACCACAAAGCAGCCCTCTAAGGAGGAGGAGGAAGAGGAGGAGGAGGAACAACCTGAACCAGACCTTGGCAG  
 AAATGAAGGCCCCAGGAGGTGGCGAATTGAAGAGGAAGAAAAGAAAGCTGTTGCGTGAGCAGAGAAAGCA  
 CGGGGAGCGTGTGGAGCTGAAGATGGATCTGCCTGGGGTTTTCCATTGCAGACGAGGGGGAGACTGGCATG  
 TTCTCCTTGTGCACCATCCGGGGTCAACAGTTATTAGAGGAAGTAACACAAGGGGATATGAGTGCAGCAG  
 ACACATTTCTGTCCGATCTGCCAAGGGATGATATCTATGTGTGATGTTGAGGACGACGGTGTGACAC  
 ATCTCTGGATAGTGACTGGATCCAGAGGAGCTGGCAGGAGTCAAGGGACATCAGGGTCTAAGGGACCAA  
 AAGCGTATGCGACTTACTGAAGTCAAGATGATAAAGAGGAGGAGGAGGAGGAGAATCCACTGCTGGTAC  
 CACTGGAGGAAAAGGCAGTACTGCAGGAAGAACAAGCCAACCTGTGGTTCTCAAAGGGCAGCTTTGCTGG  
 GATCGAGGACGATGCCGATGAGGCCCTGGAGATCAGTCAAGGCCAGCTGTTATTTGAGAACCAGCGGAAG  
 GGACGGCAGCAGCAGCAGAAGCAGCAGCTGCCACAGACACCCCTTCTGTTTGAAGACTGAGATAATGT  
 CTCCCCTGTACCAAGATGAAGCCCTAAGGGAACAGAGGCTTCTCGGGGACAGAAGCTGCCACTGGCCT  
 TGAAGGGGAAGAAAAGGATGGCATCTCAGACAGTATAGCAGTACTAGCAGTGAAGGAAGAAGAGAGCTGG  
 GAACCCCTCCGTGGTAAGAAGCGAAGCCGTGGGCTAAGTCAAGTATGATGACGGGTTTGAAGATAGTGCCTA  
 TTGAGGACCCAGCGAAACATCGGATACTGGACCCGAAGGCCCTTCTAGTGTGCTGTTATTGCCTCTTC  
 CAAAAAGGCCAAGAGAGACCTCATAGATAACTCCTTCAACCGGTACACATTTAATGAGGATGAGGGGGAG  
 CTTCCGGAGTGGTTTGTGCAAGAGGAAAAGCAGCACCGGATACGACAGTTGCCTGTTGGTAAGAAGGAGG  
 TGGAGCATTACCGGAAACGCTGGCGGAAATCAATGCACGTCCCATCAAGAAGGTGGCTGAGGCTAAGGC  
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 AGAAAACGCCATGTACCTACGTTGTAGCAAAAAAGGTGTGGCCGCAAAGTGCAGCCGGCCAGCTGGAGT  
 CAGAGGTCATTTCAAGGTGGTGGACTCAAGGATGAAGAAGGACCAAGAGCACAGCAACGTAAGGAACAA  
 AAGAAAAACACAACCGAAG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:** >RG204949 representing NM\_017647  
Red=Cloning site Green=Tags(s)

MGKKGKVGKSRDKFYHLAKETGYRSRSFAFKLIQLNRRFQFLQKARALLDLCAAPGGWLQVAAKMPVSS  
LIVGVDLVPKPLPNVTLQEDITTERCRQALRKELKTWKVDVVLNDGAPNVGASWVHDAYSQAHLTLMA  
LRLACDFLARGGSFITKVFRRSDYQPLLWIFQQLFRRVQATKPKQASRHESAEIFVVCQGFLAPDKVDSKF  
FDPKFAFKEVEVQAKTVTELVTKKKPKAEGYAEGDLTYHRTSVTDFLRAANPVDFLSKASEIMVDDEEL  
AQHPATTEDIRVCCQDIRVLGRKELRSLLNWRTKLRRYVAKKLEQAKALDISLSSGEEDEGDEEDSTAG  
TTKQPSKEEEEEEEQLNQTLEMKAEVAELKRKKKLLREQRKQREVELKMDLPGVSIADGETGM  
FSLCTIRGHQLLEEVTQGDMSAADTFLSDLPRDDIYVSDVEDDGGDTSLDSDLPEELAGVRGHQGLRDQ  
KRMRLTEVQDDKEEEEEENPLLVPLEEKAVLQEEQANLWFSKGSFAGIEDDADEALEISQAQLLFENRRK  
GRQQQKQQLPQTPPSCLKTEIMSPLYQDEAPKGTEASSGTEAATGLEGEEKDGISDSSTSSEEEESW  
EPLRGKRSRGPKSDDDFEIVPIEDPAKHRILDPEGLALGAVIASSKKAKRDLIDNSFNRYTFNEDEGE  
LPEWFVQEEKQHRIRQLPVGKKEVEHYRKRWREINARPIKKVAEAKARKRRMLKRLEQTRKKAEEVNT  
VDISEREKVAQLRSLYKAGLGKEKRHVTVVAKKGVGRKVRPAGVRGHFKVVDSSRMKKDQRAQRKEQ  
KKKHKRK

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



<b>ACCN:</b>	NM_017647
<b>ORF Size:</b>	2541 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_017647.2</a> , <a href="#">NP_060117.2</a>
<b>RefSeq Size:</b>	2999 bp
<b>RefSeq ORF:</b>	2544 bp
<b>Locus ID:</b>	117246
<b>UniProt ID:</b>	<a href="#">Q8IY81</a>
<b>Cytogenetics:</b>	17q23.3
<b>Domains:</b>	Ftsj
<b>Gene Summary:</b>	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]