

## Product datasheet for **SC310377**

### Emi1 (FBX05) (NM\_012177) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Emi1 (FBX05) (NM_012177) Human Untagged Clone
Tag:	Tag Free
Symbol:	FBX05
Synonyms:	EMI1; FBX5; Fbxo31
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC310377 representing NM_012177. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGAGCCGGCGCCCTGCAGCTGCGCCCTACGGCCACCCCGTGTCTCTGCAGCGCCAGCCCGAGCGCA
GTGACAGCCGGCGCCCTCGACCCTCGGATAGTTGTAAAGAAGAAAGTTCTACCCCTTCTGTCAA
ATGAAGTGTGATTTAATTGTAACCATGTTTCATCCGGACTTAACTGGTAAAACCTGATGACATTGGA
AGACTAGTTTCTACCCCTGCATATTGGAAGGTTCTGTAAAGACTGCATTAAGACTATGAAAGG
CTGTCATGTATTGGGTCACCGATTGTGAGCCCTAGGATTGTACAACCTGAAACTGAAAGCAAGCGCTT
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AGTAGACTTTATGAAGACAGTGGCTATTCTCATTCTCTACAAAGTGGCTCAGTGAACATGAAGAA
GGTAGCCTCCTGGAGGAGAAATTCGGTGACAGTCTACAATCCTGCCTGCTACAAATACAAAGCCAGAC
CAATATCCCAACAAAACCTTGTGCCAGTCTTTCATTTTGAAGAAAGTGGTTTGTCAACATTAAGAAAG
AATGCAAAACGAAATCCTAAAGTAGATCGGGAGATGCTGAAGGAAATATAGCCAGAGGAAATTTAGA
CTGCAGAAATAAATTGGCAGAAAATGGCCTAGAATGTGTAGATATTCTCAGCGAACTCTTTCGAAGG
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CAAAGAGTTACCGAAAACAACAATAAATTTTCACCTCATGCTTCAACCAGAGAATATGTTATGTTTCA
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TCCAATCAAGGTGATCAGAAAGTTCTACTTATAGTCGACACAATGAATTCTCTGAGGTTGCCAAGACA
TTGAAAAGAAGCAAGCCTCAAAGCCTGTATTCGCTGTAATTCACCTGCAAAATATGATTGCTATTTA
CAACGGGCAACCTGCAAACGAGAAGGCTGTGGATTTGATTATTGTACGAAGTGTCTCTGTAATTATCAT
ACTACTAAAGACTGTTTCAGATGGCAAGCTCCTCAAAGCCAGTTGTAATAAGTCCCTGCCTGTACA
AAGAAAAGCAAAAAGAATTTACGAAGATTGTA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>Plasmid Map:</b>	□
<b>ACCN:</b>	NM_012177
<b>Insert Size:</b>	1344 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p>
<b>OTI Annotation:</b>	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.
<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_012177.3</a>
<b>RefSeq Size:</b>	2109 bp
<b>RefSeq ORF:</b>	1344 bp
<b>Locus ID:</b>	26271
<b>UniProt ID:</b>	<a href="#">Q9UKT4</a>
<b>Cytogenetics:</b>	6q25.2
<b>Domains:</b>	F-box
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Oocyte meiosis

**MW:** 50.1 kDa

**Gene Summary:** This gene encodes a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of the ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into 3 classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the Fbxs class. This protein is similar to xenopus early mitotic inhibitor-1 (Emi1), which is a mitotic regulator that interacts with Cdc20 and inhibits the anaphase promoting complex. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Dec 2008]  
Transcript Variant: This variant (1) represents the shorter transcript but encodes the longer isoform (a).