

Product datasheet for RC227496L3

OriGene Technologies, Inc.

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Emi1 (FBXO5) (NM_001142522) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Emi1 (FBXO5) (NM 001142522) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Emi1

Synonyms: EMI1; FBX5; Fbxo31

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

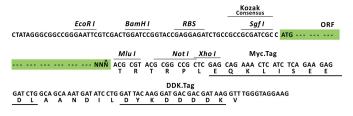
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC227496).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_001142522

ORF Size: 1203 bp



Emi1 (FBXO5) (NM_001142522) Human Tagged Lenti ORF Clone - RC227496L3

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: 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 001142522.1</u>

 RefSeq Size:
 2269 bp

 RefSeq ORF:
 1206 bp

 Locus ID:
 26271

 UniProt ID:
 Q9UKT4

Cytogenetics:

Protein Families: Druggable Genome

6q25.2

Protein Pathways: Oocyte meiosis

MW: 45.4 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]