

## Product datasheet for **MR200780L3**

## Fau (NM\_007990) Mouse Tagged Lenti ORF Clone

## Product data:

**Product Type:** Expression Plasmids

Tag: Myc-DDK

**Symbol:** Fau

**Synonyms:** MNSFbeta

## Mammalia

Vector: pLENT1-anti-C-Myc-DDK-P2A-Puro (PS100092)

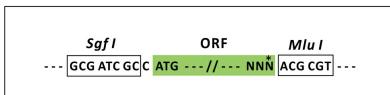
**E. coli Selection:** Chloramphenicol (34 µg/ml)

**ORF Nucleotide Sequence:** The ORF insert of this clone is exactly the same as (MR200780).

**Restriction Sites:** Sgfl-MluI

### Cloning Scheme:

#### Cloning sites used for ORF Shuttling:



The diagram illustrates the pET28b(+) vector structure. It features the *Kozak Consensus* sequence (ATG) in green at the top, followed by the *EcoRI*, *BamHI*, *RBS*, *SgfI*, and *ORF* sites. Below these are the *MluI*, *NotI*, and *XhoI* sites, each with its respective restriction site sequence (NNN, TCGT, CGCG, CGCG, CTC, GAG, CAG, AAA, CTC, ATC, TCA, GAA, GAG). The *Myc.Tag* signal is also indicated. The *DDK.Tag* sequence (GATCTG GCA GCA AAT GAT ATC CTG GAT TCA AAC GAT GAC GAC GAT AAG GTT TGGGGTAGGAAG) is shown at the bottom, with restriction sites *D*, *L*, *A*, *A*, *N*, *D*, *L*, *D*, *Y*, *K*, *D*, *D*, *D*, *K*, *V* marked along its length.

\* The last codon before the Stop codon of the ORF.

ACCN: NM\_007990

**ORF Size:** 399 bp



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This product is to be used for laboratory only. Not for diagnostic or therapeutic use.

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<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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_007990.3</a>
<b>RefSeq Size:</b>	574 bp
<b>RefSeq ORF:</b>	402 bp
<b>Locus ID:</b>	14109
<b>UniProt ID:</b>	<a href="#">P35545</a>
<b>Cytogenetics:</b>	19 4.34 cM

**Product images:**