

Product datasheet for MG226441

Usp30 (NM_001033202) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Usp30 (NM_001033202) Mouse Tagged ORF Clone

Tag: TurboGFP

Symbol: Usp30

Synonyms: 6330590F17Rik; Al851327; D5Ertd483e

Mammalian Cell Neomycin

Selection:

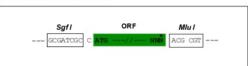
Vector: pCMV6-AC-GFP (PS100010)

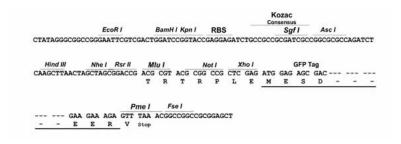
E. coli Selection: Ampicillin (100 ug/mL)

Restriction Sites: Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shuttling:





ACCN: NM_001033202

ORF Size: 1551 bp



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Usp30 (NM_001033202) Mouse Tagged ORF Clone - MG226441

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: NM 001033202.3, NP 001028374.1

 RefSeq Size:
 2790 bp

 RefSeq ORF:
 1554 bp

 Locus ID:
 100756

 UniProt ID:
 Q3UN04

Cytogenetics: 5 55.96 cM

Gene Summary: Deubiquitinating enzyme tethered to the mitochondrial outer membrane that acts as a key

inhibitor of mitophagy by counteracting the action of parkin (PRKN): hydrolyzes ubiquitin attached by parkin on target proteins, such as RHOT1/MIRO1 and TOMM20, thereby blocking

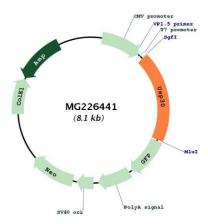
parkin's ability to drive mitophagy. Preferentially cleaves 'Lys-6'- and 'Lys-11'-linked

polyubiquitin chains, 2 types of linkage that participate in mitophagic signaling. Does not cleave efficiently polyubiquitin phosphorylated at 'Ser-65' (By similarity). Acts as negative regulator of mitochondrial fusion by mediating deubiquitination of MFN1 and MFN2

(PubMed:24513856).[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for MG226441