

## **Product datasheet for RC226393**

### MET (NM\_001127500) Human Tagged ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** MET (NM\_001127500) Human Tagged ORF Clone

Tag: Myc-DDK

Symbol: MET

Synonyms: AUTS9; c-Met; DFNB97; HGFR; RCCP2

Mammalian Cell Neomycin

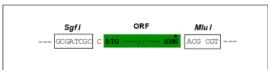
Selection:

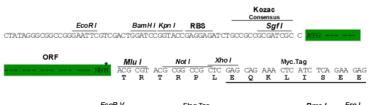
Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 

Cloning sites used for ORF Shuttling:





ACCN: NM 001127500

ORF Size: 4224 bp



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<sup>\*</sup> The last codon before the Stop codon of the ORF

#### MET (NM\_001127500) Human Tagged ORF Clone - RC226393

**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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with

0.22um filter is required.

**RefSeq ORF:** 4227 bp **Locus ID:** 4233

 UniProt ID:
 P08581

 Cytogenetics:
 7q31.2

**Protein Families:** Druggable Genome, Protein Kinase, Transmembrane

**Protein Pathways:** Adherens junction, Axon guidance, Colorectal cancer, Cytokine-cytokine receptor interaction,

Endocytosis, Epithelial cell signaling in Helicobacter pylori infection, Focal adhesion,

Melanoma, Pathways in cancer, Renal cell carcinoma

**MW:** 157.7 kDa

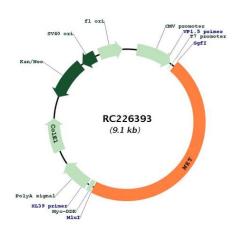
**Gene Summary:** This gene encodes a member of the receptor tyrosine kinase family of proteins and the

product of the proto-oncogene MET. The encoded preproprotein is proteolytically processed to generate alpha and beta subunits that are linked via disulfide bonds to form the mature receptor. Further processing of the beta subunit results in the formation of the M10 peptide, which has been shown to reduce lung fibrosis. Binding of its ligand, hepatocyte growth factor, induces dimerization and activation of the receptor, which plays a role in cellular survival, embryogenesis, and cellular migration and invasion. Mutations in this gene are associated with papillary renal cell carcinoma, hepatocellular carcinoma, and various head and neck cancers. Amplification and overexpression of this gene are also associated with multiple

human cancers. [provided by RefSeq, May 2016]



# **Product images:**



Circular map for RC226393