

Product datasheet for RC212666L3

OriGene Technologies, Inc.

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MST4 (STK26) (NM_001042453) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: MST4 (STK26) (NM_001042453) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: MST4

Synonyms: MASK; MST4

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(RC212666).

Sequence:

Restriction Sites:

on Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_001042453

ORF Size: 1017 bp





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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 001042453.1

RefSeq Size: 3121 bp RefSeq ORF: 1020 bp Locus ID: 51765 **UniProt ID:** Q9P289

Xq26.2 **Protein Families:** Druggable Genome, Protein Kinase

MW: 37.6 kDa

Cytogenetics:

Gene Summary: The product of this gene is a member of the GCK group III family of kinases, which are a

> subset of the Ste20-like kinases. The encoded protein contains an amino-terminal kinase domain, and a carboxy-terminal regulatory domain that mediates homodimerization. The protein kinase localizes to the Golgi apparatus and is specifically activated by binding to the Golgi matrix protein GM130. It is also cleaved by caspase-3 in vitro, and may function in the apoptotic pathway. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined.

[provided by RefSeq, Jul 2008]