

## Product datasheet for **SC338143**

### MAST4 (NM\_001297651) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MAST4 (NM_001297651) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAST4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001297651, the custom clone sequence may differ by one or more nucleotides

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 GGCCTGTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001297651
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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\\_001297651.1](#), [NP\\_001284580.1](#)
- RefSeq Size:** 10219 bp

RefSeq ORF: 7290 bp

Locus ID: 375449

UniProt ID: [O15021](#)

Cytogenetics: 5q12.3

Protein Families: Druggable Genome, Protein Kinase

**Gene Summary:** This gene encodes a member of the microtubule-associated serine/threonine protein kinases. The proteins in this family contain a domain that gives the kinase the ability to determine its own scaffold to control the effects of their kinase activities. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2014]  
Transcript Variant: This variant (7) represents use of an alternate promoter, differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate 5' exon, compared to variant 3. The encoded isoform (g) is shorter and has a distinct N-terminus, compared to isoform c. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.