

Product datasheet for **RG240248**

MAST4 (NM_001290226) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAST4 (NM_001290226) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MAST4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG240248 representing NM_001290226. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
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GCCTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC

Protein Sequence: >Peptide sequence encoded by RG240248
 Blue=ORF Red=Cloning site Green=Tag(s)

MKAQRERLQIPGLTDCRTSNRKSILIGNGQSPALPRPHSPLSAHAGNSPQDSRNFSPSASAHFSFARR
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 THHQIIEIARDCLDKSHQGLITSRYFLELQHKLDKLLQEAHDRSESGELAFIKQLVRKILVIARPARL
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 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: Sgfl-MluI

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).
RefSeq:	NM_001290226.2
RefSeq Size:	10176 bp
RefSeq ORF:	7254 bp
Locus ID:	375449
UniProt ID:	O15021
Cytogenetics:	5q12.3
Protein Families:	Druggable Genome, Protein Kinase
MW:	263.8 kDa
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]