

Product datasheet for **MR224145L4V**

Taok3 (NM_001081308) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Taok3 (NM_001081308) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Taok3
Synonyms:	2900006A08Rik; A130052D22; A430105I05Rik
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001081308
ORF Size:	2694 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR224145).
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.
RefSeq:	NM_001081308.2 , NP_001074777.1
RefSeq Size:	4258 bp
RefSeq ORF:	2697 bp
Locus ID:	330177
UniProt ID:	Q8BYC6
Cytogenetics:	5 F



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Gene Summary:

Serine/threonine-protein kinase that acts as a regulator of the p38/MAPK14 stress-activated MAPK cascade and of the MAPK8/JNK cascade. Acts as an activator of the p38/MAPK14 stress-activated MAPK cascade. In response to DNA damage, involved in the G2/M transition DNA damage checkpoint by activating the p38/MAPK14 stress-activated MAPK cascade, probably by mediating phosphorylation of upstream MAP2K3 and MAP2K6 kinases. Inhibits basal activity of MAPK8/JNK cascade and diminishes its activation in response epidermal growth factor (EGF) (By similarity).[UniProtKB/Swiss-Prot Function]