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Product datasheet for RC203526L4V

TEA domain family member 2 (TEAD2) (NM_003598) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	TEA domain family member 2 (TEAD2) (NM_003598) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TEA domain family member 2
Synonyms:	ETF; TEAD-2; TEF-4; TEF4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_003598
ORF Size:	1341 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC203526).`
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_003598.1
RefSeq Size:	2220 bp
RefSeq ORF:	1344 bp
Locus ID:	8463
UniProt ID:	Q15562
Cytogenetics:	19q13.33
Protein Families:	Transcription Factors

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MW:	49.2 kDa
Gene Summary:	Transcription factor which plays a key role in the Hippo signaling pathway, a pathway involved in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. The core of this pathway is composed of a kinase cascade wherein MST1/MST2, in complex with its regulatory protein SAV1, phosphorylates and activates LATS1/2 in complex with its regulatory protein MOB1, which in turn phosphorylates and inactivates YAP1 oncoprotein and WWTR1/TAZ. Acts by mediating gene expression of YAP1 and WWTR1/TAZ, thereby regulating cell proliferation, migration and epithelial mesenchymal transition (EMT) induction. Binds to the SPH and GT-IIC 'enhansons' (5'-GTGGAATGT-3'). May be involved in the gene regulation of neural development. Binds to the M-CAT motif. [UniProtKB/Swiss-Prot Function]