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Product datasheet for RC210400L4V

MADH7 (SMAD7) (NM_005904) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	MADH7 (SMAD7) (NM_005904) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MADH7
Synonyms:	CRCS3; MADH7; MADH8
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_005904
ORF Size:	1278 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC210400).
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_005904.2
RefSeq Size:	3103 bp
RefSeq ORF:	1281 bp
Locus ID:	4092
UniProt ID:	O15105
Cytogenetics:	18q21.1
Domains:	DWB, DWA, MH1
Protein Families:	Druggable Genome, Transcription Factors

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Protein Pathways: TGF-beta signaling pathway

MW: 46.2 kDa

Gene Summary: The protein encoded by this gene is a nuclear protein that binds the E3 ubiquitin ligase SMURF2. Upon binding, this complex translocates to the cytoplasm, where it interacts with TGF-beta receptor type-1 (TGFBR1), leading to the degradation of both the encoded protein and TGFBR1. Expression of this gene is induced by TGFBR1. Variations in this gene are a cause of susceptibility to colorectal cancer type 3 (CRCS3). Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]

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