Product datasheet for MR209915L3V

Tcf4 (NM_013685) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Tcf4 (NM_013685) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Tcf4
Synonyms:	5730422P05Rik; ASP-I2; bHLHb19; E2-2; E2.2; ITF-2; ITF-2b; ITF2; ME2; MITF-2A; MITF-2B; SEF-2; SEF2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_013685
ORF Size:	2010 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR209915).
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_013685.2, NP_038713.1
RefSeq Size:	7462 bp
RefSeq ORF:	2013 bp
Locus ID:	21413
UniProt ID:	Q60722
Cytogenetics:	18 E2

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Gene Summary: Transcription factor that binds to the immunoglobulin enhancer Mu-E5/KE5-motif. Involved in the initiation of neuronal differentiation. Activates transcription by binding to the E box (5'-CANNTG-3'). Isoform 2 inhibits MYOD1 activation of the cardiac alpha-actin promoter. Binds to the E-box present in the somatostatin receptor 2 initiator element (SSTR2-INR) to activate transcription. May have a regulatory function in developmental processes as well as during neuronal plasticity.[UniProtKB/Swiss-Prot Function]