

Product datasheet for RC202072L4V

OriGene Technologies, Inc.

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MEG1 (PTPN4) (NM_002830) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: MEG1 (PTPN4) (NM_002830) Human Tagged ORF Clone Lentiviral Particle

Symbol: MEG1

Synonyms: MEG; PTPMEG; PTPMEG1

Mammalian Cell

Selection:

Puromycin

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

Tag: mGFP

ACCN: NM_002830 ORF Size: 2778 bp

ORF Nucleotide

277000

Sequence:

The ORF insert of this clone is exactly the same as(RC202072).

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.

RefSeg: NM 002830.2

 RefSeq Size:
 3963 bp

 RefSeq ORF:
 2781 bp

 Locus ID:
 5775

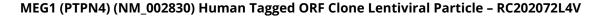
 UniProt ID:
 P29074

Cytogenetics: 2q14.2

Domains: Y_phosphatase, B41, PDZ, PTPc_motif

Protein Families: Druggable Genome, Phosphatase





ORIGENE

MW: 105.7 kDa

Gene Summary:

The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This protein contains a C-terminal PTP domain and an N-terminal domain homologous to the band 4.1 superfamily of cytoskeletal-associated proteins. This PTP has been shown to interact with glutamate receptor delta 2 and epsilon subunits, and is thought to play a role in signalling downstream of the glutamate receptors through tyrosine dephosphorylation. [provided by RefSeq, Jul 2008]