

Product datasheet for **RC219416L4V**

Osteocrin (OSTN) (NM_198184) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Osteocrin (OSTN) (NM_198184) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Osteocrin
Synonyms:	MUSCLIN
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_198184
ORF Size:	399 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC219416).
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_198184.1
RefSeq Size:	402 bp
RefSeq ORF:	402 bp
Locus ID:	344901
UniProt ID:	P61366
Cytogenetics:	3q28
Protein Families:	ES Cell Differentiation/IPS, Secreted Protein
MW:	11.7 kDa



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Gene Summary:

Hormone that acts as a regulator of dendritic growth in the developing cerebral cortex in response to sensory experience (PubMed:27830782). Induced in the brain following membrane depolarization and inhibits dendritic branching in neurons of the developing cortex (PubMed:27830782). Probably acts by binding to natriuretic peptide receptor NPR3/NPR-C, thereby preventing binding between NPR3/NPR-C and natriuretic peptides, leading to increase cGMP production (By similarity).[UniProtKB/Swiss-Prot Function]