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Product datasheet for RC215640L4V

ROR2 (NM_004560) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ROR2 (NM_004560) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ROR2
Synonyms:	BDB; BDB1; NTRKR2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_004560
ORF Size:	2829 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC215640).
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_004560.2
RefSeq Size:	4091 bp
RefSeq ORF:	2832 bp
Locus ID:	4920
UniProt ID:	Q01974
Cytogenetics:	9q22.31
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane
MW:	104.74 kDa

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Gene Summary: The protein encoded by this gene is a receptor protein tyrosine kinase and type I transmembrane protein that belongs to the ROR subfamily of cell surface receptors. The protein may be involved in the early formation of the chondrocytes and may be required for cartilage and growth plate development. Mutations in this gene can cause brachydactyly type B, a skeletal disorder characterized by hypoplasia/aplasia of distal phalanges and nails. In addition, mutations in this gene can cause the autosomal recessive form of Robinow syndrome, which is characterized by skeletal dysplasia with generalized limb bone shortening, segmental defects of the spine, brachydactyly, and a dysmorphic facial appearance. [provided by RefSeq, Jul 2008]