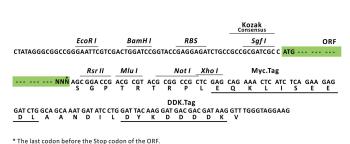


Product datasheet for RC215166L3

ARHGEF5 (NM_005435) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids Product Name: ARHGEF5 (NM_005435) Human Tagged Lenti ORF Clone Tag: Myc-DDK Symbol: ARHGEF5 Synonyms: GEF5; P60; TIM; TIM1 Mammalian Cell Puromycin Selection: Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092) E. coli Selection: Chloramphenicol (34 ug/mL) The ORF insert of this clone is exactly the same as(RC215166). **ORF** Nucleotide Sequence: **Restriction Sites:** Sgfl-Rsrll **Cloning Scheme:** Cloning sites used for ORF Shuttling: ORF Sqf I Rsr II ---- GCG ATC GC C ATG --- // --- NNN AG C GGA CCG --



ACCN: ORF Size: NM_005435 4791 bp

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	F5 (NM_005435) Human Tagged Lenti ORF Clone – RC215166L3
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. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM 005435.3</u>
RefSeq Size:	5505 bp
RefSeq ORF:	4794 bp
Locus ID:	7984
UniProt ID:	<u>Q12774</u>
Cytogenetics:	7q35
Domains:	RhoGEF, SH3, PH
Protein Families:	Druggable Genome
MW:	176.8 kDa
Gene Summary:	Rho GTPases play a fundamental role in numerous cellular processes initiated by extracellular stimuli that work through G protein coupled receptors. The encoded protein may form a complex with G proteins and stimulate Rho-dependent signals. This protein may be involved in the control of cytoskeletal organization. [provided by RefSeq, Jul 2008]

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