

Product datasheet for RG217575

LOXL3 (NM_032603) Human Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	LOXL3 (NM_032603) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LOXL3
Synonyms:	LOXL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	Cloning sites used for ORF Shuttling:
	Sgfi ORF Miul



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	EcoR I			BamH I Kpn I		11	RBS				Sgfl		Asc /			
CTATAGGGCGGCC	GGGAA	TTCGTC	GACTO	GAT	CGG	ACCO	AGG	GATO	TGC	CGCCC	GCGA	CGCC	CGGC	GCGC	CAGA	TCT
Hind III	Nhe I	Rsr II	141	u I		N	otl	×	ho I		5	GFP T	aq			
and the second s		GGACCG	ACG	and the second second	ACG	CGG	CCG	CTC	GAG	ATG	GAG	AGC				
and the second s		and the second second			ACG				GAG	ATG						
and the second s		and the second second			ACG T				GAG E	M						-
and the second s		GGACCG	ACG	CGT R		CGG	CCG	CTC		ATG M	GAG	AGC	GAC			

 ACCN:
 NM_032603

 ORF Size:
 2259 bp

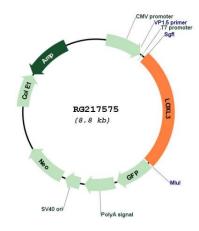


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	(NM_032603) Human Tagged ORF Clone – RG217575
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM 032603.5</u>
RefSeq Size:	3121 bp
RefSeq ORF:	2262 bp
Locus ID:	84695
UniProt ID:	<u>P58215</u>
Cytogenetics:	2p13.1
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a lysyl oxidase, which likely functions as an amine oxidase and plays a role in the formation of crosslinks in collagens and elastin. Deletion of the related gene in mouse causes neonatal mortality with cleft palate, spine deformity, and defects in collagen organization. A mutation in this gene was found in a family with Stickler syndrome. [provided by RefSeq, Sep 2016]

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Product images:



Circular map for RG217575

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