

Product datasheet for RG215770

TET2 (NM_017628) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids					
Product Name:	TET2 (NM_017628) Human Tagged ORF Clone					
Tag:	TurboGFP					
Symbol:	TET2					
Synonyms:	IMD75; KIAA1546; MDS					
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

											ozac					
EcoR I		BamH I Kpn I		11	RBS			Sgfl			Asc /					
CTATAGGGCGG	CCGGGAA	TTCGTCG	GACTO	GAT	CCGG!	TACCO	SAGG	AGATO	TGCC	GCCG	CGAT	CGCC	CGGC	GCGC	CAGA	TCT
Hind III	Nhe I	Rsr II	M	u I		N	otl	x	ho I		3	GFP T	ag			
CAAGCTTAACT	AGCTAGC	GGACCG	ACG	CGT	ACG	CGG	CCG	CTC	GAG	ATG	GAG	AGC	GAC			
			т	R	т	R	P	L	E	м	E	S	D	-	-	
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ACCN: ORF Size: NM_017628 3495 bp



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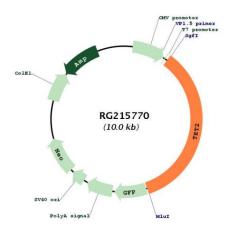
OriGene Technologies, Inc.

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GORÎGENE TET2 (N	NM_017628) Human Tagged ORF Clone – RG215770
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 017628.4</u> , <u>NP 060098.3</u>
RefSeq Size:	9236 bp
RefSeq ORF:	3498 bp
Locus ID:	54790
UniProt ID:	<u>Q6N021</u>
Cytogenetics:	4q24
Gene Summary:	The protein encoded by this gene is a methylcytosine dioxygenase that catalyzes the conversion of methylcytosine to 5-hydroxymethylcytosine. The encoded protein is involved in myelopoiesis, and defects in this gene have been associated with several myeloproliferative disorders. Two variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2011]

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Product images:



Circular map for RG215770

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