

Product datasheet for **RG239597**

FASTKD1 (NM_001281476) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FASTKD1 (NM_001281476) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FASTKD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG239597 representing NM_001281476.
 Blue=ORF Red=Cloning site Green=Tag(s)

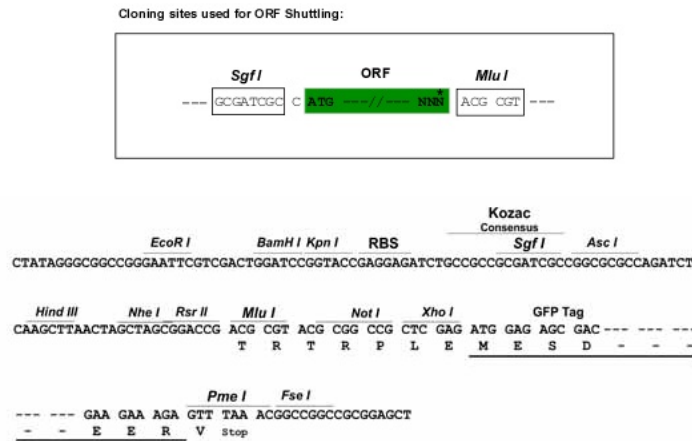
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG239597
 Blue=ORF Red=Cloning site Green=Tag(s)

MKKTPVFLESVLTNMLRLRAICPFSWRVFQFRPISCEPLIIQMNKCTDEEQMFGFIERNKAILSEKQVG
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Restriction Sites: SgfI-MluI

Cloning Scheme:

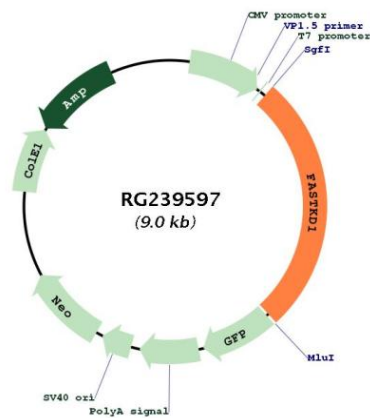


ACCN: NM_001281476

ORF Size: 2412 bp

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.
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).
RefSeq:	NM_001281476.2 , NP_001268405.1
RefSeq Size:	2898 bp
RefSeq ORF:	2415 bp
Locus ID:	79675
UniProt ID:	Q53R41
Cytogenetics:	2q31.1
MW:	92.7 kDa
Gene Summary:	Involved in the down-regulation of mitochondrial MT-ND3 mRNA levels which leads to decreased respiratory complex I abundance and activity.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for RG239597