

Product datasheet for **RG239523**

MKLP1 (KIF23) (NM_001281301) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MKLP1 (KIF23) (NM_001281301) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KIF23
Synonyms:	CHO1; KNSL5; MKLP-1; MKLP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG239523 representing NM_001281301.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
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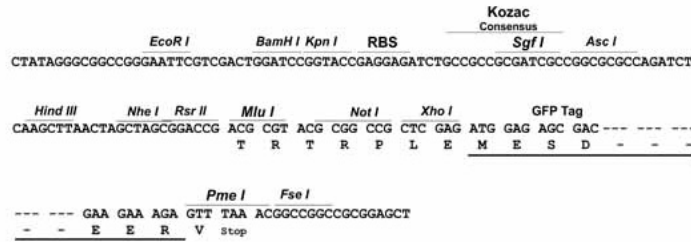
Protein Sequence: >Peptide sequence encoded by RG239523
 Blue=ORF Red=Cloning site Green=Tag(s)

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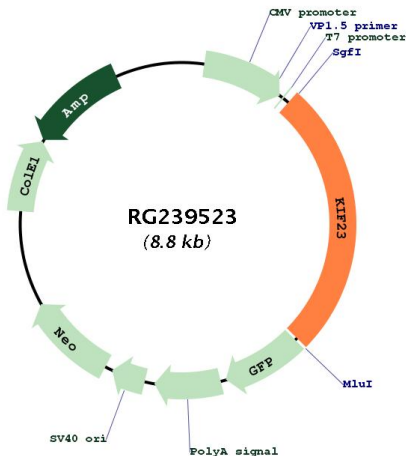
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001281301

ORF Size: 2298 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_001281301.2](#)

RefSeq Size: 3338 bp

RefSeq ORF: 2301 bp

Locus ID: 9493

Cytogenetics: 15q23

Protein Families: Druggable Genome

MW: 89.1 kDa

Gene Summary: The protein encoded by this gene is a member of kinesin-like protein family. This family includes microtubule-dependent molecular motors that transport organelles within cells and move chromosomes during cell division. This protein has been shown to cross-bridge antiparallel microtubules and drive microtubule movement in vitro. Alternate splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jul 2013]