

Product datasheet for **RG223521**

SKT (KIAA1217) (NM_001098501) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SKT (KIAA1217) (NM_001098501) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SKT
Synonyms:	RP11-324E23.1; SKT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG223521 representing NM_001098501 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGAAGAAAATGAAAGCCAGAAATGTGAGCCGTGCCTTCCTTACTCAGCAGACAGAAGACAGATGCAGG
 AACAAAGGCAAAGCAATCTGCATGTAACATCACCAGAAGATGCAGAATGCCGAGAACCAAGGAACGCCT
 TTCTAATGGAAACAGTCGTGGTTCAAGTTTCCAAGTCTTCCCGCAATATCCAAGGAGACACACCCTAGGG
 GGGCCCCGAAGTTCCAAGGAAATACTGGGAATGCAAACATCTGAGATGGATCGGAAGAGAGAAGCGTTCC
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AATGCCACGCCCCCTCACACCATGCAGCCAGACCGGGCCTCTCCGAGCCGCCAGGCCTTTAAAAAGG
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 AACCTCT

ACGCGTACGCGGCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG223521 representing NM_001098501
Red=Cloning site Green=Tags(s)

MEENESQKCEPCLPYSADRRQMGEQKGKGNLHVTSPEDAECRRTERLSNGNSRGSVSKSSRNIPRRHTLG
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SETSDADLEAMSEGDAPTFPSRGSRTASLPVVRSTNQTKERSLGVLYLQYGDETKQLRMPNEITSADTI
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MRMQREL VYARGDGPAGPRPGSTAHPHAI PNSSPSTPVPHSMPPSPSRIPYGGTRSMVVPGNATIPRDR
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KNRPGTLDKPGKQSKLQDPRQYRQANGSAKSGGDFKPTSPSLPASKIPALSPSSGKSSSLPSSSGDSSN
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TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

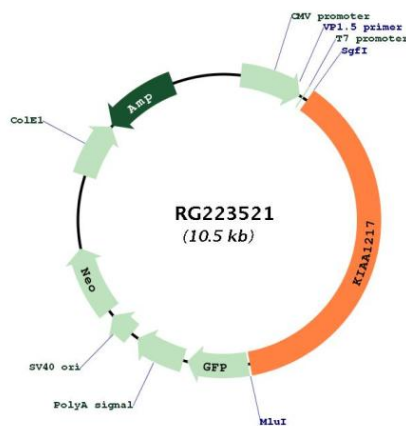


ACCN: NM_001098501

ORF Size: 3927 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).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. 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_001098501.1, NP_001091971.1</u>
RefSeq Size:	5871 bp
RefSeq ORF:	3929 bp
Locus ID:	56243
Cytogenetics:	10p12.2-p12.1
Gene Summary:	Required for normal development of intervertebral disks.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG223521