

Product datasheet for **RG214389**

SKI (NM_003036) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	SKI
Synonyms:	SGS; SKV
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG214389 representing NM_003036
Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGAGGCGGCGCAGGCGGCCGGCTGTTCCAGCCGCACCCGGGGCTGCAGAAGACGCTGGAGCAGT
TCCACCTGAGCTCCATGAGCTCGCTGGCGGCCCGGCCGCTTTCTCGGCGCGCTGGGCGCAGGAGGCCTA
CAAGAAGGAGAGCGCAAGGAGGCGGGCGGCCGCGGTGCCGCGCAGCCACCGAGCCG
CCGCCCGTGTGCACCTGCCCGCATCCAGCCGCCCGCCCGTGTGCCGGGGCCCTTCTCATGCCGT
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GTGGTGAAGGAGCTGCAGGAACAGCTGTGGCCGCGGGCCGCCCGAGGCTGCGGGCAGCAGGGCGCTG
CGGAGCTGGAGCCG

CTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG214389 representing NM_003036

Red=Cloning site Green=Tags(s)

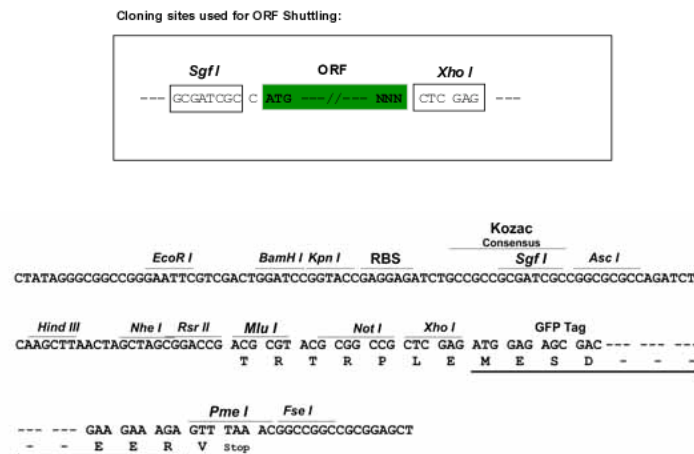
MEAAAGGRGCFQHPGLQKTLQEQHLSSMSSLGGPAAF SARWAQEA YKKESAKEAGAAAVPAPVPAATEP
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AVCDELHIYCSRCTADQLEILKVMGILPFSAPSCGLITKTD AERLCNALLYGGAYPPPCCKELAASLALG
LELSESRVRYHECFGKCKGLLVPELYSSPSAACIQCLDCRLMYPPHKFVVHSHKALENRTCHWGFD SAN
WRAYILL SQDYTGKEEQARLGRCLDDVKEKFDYGNKYRRVPRVSSEPPASIRPKTDDTSSQSPAPSEKD
KPSSWLRTLAGSSNKSLGCVHPRQRLSAFRPWSPA VSAEKELSPHLPALIRDSFYYSKSFETAVAPNVA
LAPPAQKQVSSPPCAA AVSRAPELATCTQPRKRKL TVDTPGAPETLAPVAAPEEDKDSEAEVEVESRE
EFTSSLSSLSSPFTSSSSAKDLGSPGARALPSAVPDAAPADAPSGLEAELEHLRQALEGGLDTKEAKE
KFLHEVVKMRVKQEEKLSAALQAKRSLHQELEFLRVAKKEKLREATEAKRNL RKEIERLRAENEKKMKEA
NESRLRLKRELEQARQARVCDKGCEAGRLRAKYS AQIEDLQVKLQHA EADREQLRADLLREREAREHLEK
VVKELQEQ LWPRAPEAAGSEGA AELEP

LE - GFP Tag - V

Restriction Sites:

SgfI-XhoI

Cloning Scheme:



ACCN:

NM_003036

ORF Size:

2184 bp

OTI Disclaimer:

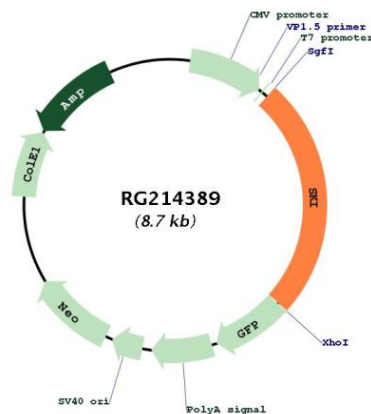
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_003036.4
RefSeq Size:	3511 bp
RefSeq ORF:	2187 bp
Locus ID:	6497
UniProt ID:	P12755
Cytogenetics:	1p36.33-p36.32
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes the nuclear protooncogene protein homolog of avian sarcoma viral (v-ski) oncogene. It functions as a repressor of TGF-beta signaling, and may play a role in neural tube development and muscle differentiation. [provided by RefSeq, Oct 2009]

Product images:



Circular map for RG214389