

Product datasheet for **RG217670**

KIF25 (NM_030615) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIF25 (NM_030615) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KIF25
Synonyms:	KNSL3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG217670 representing NM_030615 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACATGGACCTCAGGTCAGCTTCAGCGTGAGAAGCAGGCCAGGCCTGGGTCTGGAGCCGTCCTGGCCT
TCCCAGATGACATGGACCTCAGGGTTTATGGTCCAGCAGAGTCTCAGAGCGCGTCTTTGGAGATGTGTG
CCCCCTACTCACTTCTCTTTGGATGGGTACAATGTTTGTGTTATGGCGTATGGACAGACGGGCAGCGGA
AAGAGCTATACCATGCTGGGACGCCATTCGGACGACGGCCCTGTTCTGCCGCTTGACCCACAGAGTGACT
TAGGAATTATCCCTAGAGTGGCTGAGGAGCTCTCAGGCTCATTTTGAAAATACCTCAAGAAGCCAAA
GGTTGAAGTCTCCATAGTGAAGTTTACAATAATGACATTTTTGACCTTCTGGCCAAAGACAGCATTGCA
GCAGTGTCTGGGGTCAAGCGTGAGGTGGTGACAGCCAAGGATGGACGGACAGAGGTTGCGCTGCTGGCCT
CTGAGGCTGTCTGGCAGCGCCTCGAAACTGATGGAGCTCGTTTATGGAGGTCTGCAGCTCAGGGCGAAGCA
CCCCACCTGGTGCACGCGGATTCTCCAGGTCTCACCTGATAATTACGGTGACTCTAACCACAGCCTCC
TGCTCTGACAGCACTGCAGACCAAGCCTGCAGTGCCACCTCCCCAGGGAGCAAACAGAGGCAGGAAGGG
CAGGAAGGAGCCGAGAGCTTCTCAAGGGCCCTGGCTCCACAGCTGGTTCCTGGGAACCCCGCAGGGCA
TGCGGAGCAGGTGCAGGCTCGACTACAGCTCGTGGACTCGGCCGGCAGCGAGTGCCTGGTGTCTGGA
GTGACCGGTTGGCCCTGAGGGAGATGGCGTGATCAGCCGACGCTTGGCCCTGGCAGGCGTCTGG
GGCTTTGTTGGAGCACGTTGGCCATGCCCGTACCGGAACAGCAGGCTCACCCACCTCCTTCAGGACTG
CCTCGGAGGCGATGCGAAGTTACTGGTATTCTCTGCATTTCTCCAGCCAGAGGCACCTGGCACAGACG
TTGCAGGGCCTGGGTTTCGGGATCCGAGCTCGGCAAGTCCAGCGAGGCCCTGCCGAAAGAAGCCGCCCA
GCTCCCAAACGGAGGGGAAGAGGAGGCCGGAT

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG217670 representing NM_030615
 Red=Cloning site Green=Tags(s)

MTWTSQQLQREKQARPGSGAVLAFPDDMDLRVYGPAESQSAVFGDVCPLLTSLLDGYNVCVMAYGQTGSG
 KSYTMLGRHSDDGPVLPDQSDLGIIPRVAEELFRLILENTRSRSKVEVSIIVEVYNNDFDILLAKDSIA
 AVSGVKREVVTAKDGRTEVALLASEAVGSASKLMELVHGGLQLRAKHPTLVHADSSRSHLIITVTLTTAS
 CSDSTADQACSATLPREQTEAGRAGRSRRASQGALAPQLVPGNPAGHAEQVQARLQLVDSAGSECVGVSG
 VTGLALREMACISRSALAALAGVLGALLEHRGHAPYRNSRLTHLLQDCLGGDAKLLVILCISPSQRHLAQT
 LQGLGFGIRARQVQRGPARKKPPSSQTEGKRPPD

TRTRPLE - GFP Tag - V

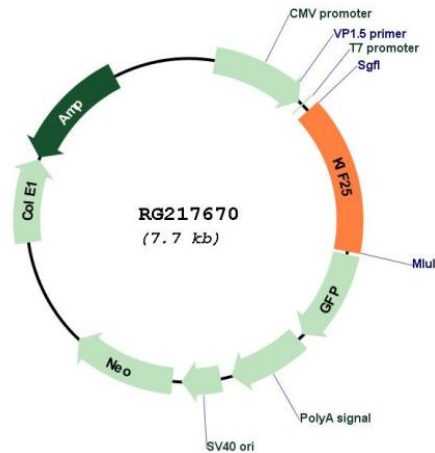
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_030615

ORF Size:	1152 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:	<ol style="list-style-type: none">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:	NM_030615.1 , NP_085118.1
RefSeq Size:	1510 bp
RefSeq ORF:	1155 bp
Locus ID:	3834
UniProt ID:	Q9UIL4
Cytogenetics:	6q27
Protein Families:	Druggable Genome
Gene Summary:	The protein encoded by this gene is a member of the kinesin-like protein family. Protein family members are microtubule-dependent molecular motors that transport organelles within cells and move chromosomes during cell division. However, the particular function of this gene product has not yet been determined. Two alternatively spliced transcript variants which encode products have been described. Other splice variants have been found that lack exon 2 and the initiation codon for translation. [provided by RefSeq, Jul 2008]