

Product datasheet for **RG211609**

KIAA0240 (GLTSCR1L) (NM_015349) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIAA0240 (GLTSCR1L) (NM_015349) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KIAA0240
Synonyms:	GLTSCR1L; KIAA0240
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG211609 representing NM_015349 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGATGATGACTCGTGTCTCCTTGATCTTATTGGAGACCCACAAGCATTGAACTATTTCTAC
ATGGACCTAGTAATAAATCTAGCAATGACTTGACTAATGCAGGATATTCTGCAGCCAATTCAAATTC
AATTTTCGCCAATCTAGTAATGCTGATCCTAAGTCATCCCTCAAAGGTGAAGCAACCAGCTTGGAGAA
GGGCCAGTGACTGACTGCCACTTCAAGTAGCCTCCAGTTTCTGAAGATGAACTCGAGTCTTCTCCTC
TTCCTGATCTCACTGAGGACCAACCTTTCGACATTCTTCAGAAATCCTTGCAAGAGGCCAATATCACTGA
ACAGACATTGGCAGAAGAGGCATATTTGGATGCCAGTATAGGTTCAAGCCAACAGTTTGCACAAGCTCAG
CTTCATCCTTCTTCATCAGCATCCTTACTCAGGCTTCTAATGTTTCTAATTACTCAGGTGAGACGCTGC
AGCCTATAGGGGTGACGCATGTGCCTGTTGGAGCATCGTTTGCAAGCAATACAGTGGGTGTACAACATGG
CTTTATGCAACATGTGGGGATCAGTGTCCAGCCAGCATTGTCTAATAGCAGTCAGATTAGTGGTTCT
GGTCAAATACAGTTAATTGGGTCATTTGGTAATCATCCTTCCATGATGACTATTAATAACCTAGATGGAT
CTCAAATCATATTAAGGGCAGCGGCAGCAAGCCCCAATAATGTGAGTGGAGGGCTCCTGGTTCCATAG
ACAGACTCCTAATGGCAACTCCTGTTTGGGAATCTAGTCCAGTCCAGTAGCACAGCCTGTTACCGTT
CCATTTAACAGCACAAATTTTCAAACATCTTACCTGTGCATAACATCATACAAAGGGGCTTTGCAC
CAAATTCAAATAAAGTCCCAATTAATATACAGCCAAAGCCTATCCAGATGGGTCAGCAAAATACATACAA
TGTGAACAATTTGGGAATTCAGCAGCACCACGTACAACAAGGGATCTCTTTTGTCTTGCAAGCTCACCC
CAGGGCTCAGTAGTTGGTCCACACATGTCTGTGAACATTGTAACCAACAGAACACAAGAAAGCCAGTCA
CCTCACAGGCAGTGAGCAGCACTGGGGCAGTATTGTTATTCAATCCCCCATGGGCCAACCTCACGCACC
CCAAAGTCAGTTCCTTATACCTACAAGCCTTCTGTGAGTCCAACCTCGGTACACCACGTCCAGACTATA
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TACTGCTGTCCACTTAGTGTCTGGGCAGACATTTGCTGCCTCTGGAAGTCCAGTGATAGCCAATCATGCC



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TCTCCTCAGCTTGTGGGTGGACAGATGCCCTTGCAGCAGGCATCCCCAACTGTATTACACCTGTCACCTG
 GGCAGAGCAGCGTTTCCCAAGGAAGACCTGGCTTCGCCACCATGCCATCGGTGACAAGCATGTCAGGACC
 TAGTCGGTTCCCTGCTGTGAGCTCAGCCAGCACTGCCATCCTAGTCTTGGGTCTGCAGTTCAGTCTGGT
 TCATCAGGATCAAACCTTACAGGAGATCAGCTGACCCAGCCAAACAGGACTCCAGTACCAGTCACTGTGT
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 GAGCCAAAACCGGTGTGACGGAACCCATGAATCATGACCAGTTTTCATCTAGTGCCTAATCACATCGTGGT
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 TTAGTGCAGTACCAGAGCACGTCTGAAGAGAAGGCCAGCCGGAGAGAGCCTCTGAAGGCCAGTCACTGCT
 CTCCCAGGCTGAGGGGACCCGAAAACCTCATCCAGATCGGATCATGGTACTGAGAGCAAACTGTCAAG
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 CCAAAGAATGAAGTTTTACACACAGACATCATGAAAGGGTCAGGCGAACCCAGCCAGATCTCCAGCTGA
 CAAAGACTTGGAAACCAATTTAAGAATCTTGGAACTCAAAAAGGCGGGACGCGCCCAAGGAGTGA
 CCCACAGGTTAGCGGCTCTGTTGAGTTAGATTTCCCAACTTTTCTCTATGGCTTACAGGAAAACTGC
 CTGAAAAAGTTTATCCCGGACCACAGTGAAGGTGTTGTAGAACTGACTCCATTTTAGAAGCAGCTGTAA
 ATAGTATCCTAGAGTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG211609 representing NM_015349
 Red=Cloning site Green=Tags(s)

MDDDDSDCLLDLIGDPQALNYFLHGSPNSKSSNDDL TNAGYSAANSNSIFANSSNADPKSSLKGVSNQLGE
 GPSDGLPLSSSLQFLEDELESSPLPDLTEDQPFILQKSLQEANITEQTLAEEAYLDASIGSSQQFAQAQ
 LHPSSASFTQASNVSNYSQTLQPIGVTHVPGVGFASNTVGVQHGFMQHVGISVPSQHLSSNSQISGS
 GQIQIGSFGNHPSMNTINLDGSQIILKSGSQAPSNSVSGLLVHRQTPNGNSLFGNSSSPVAQPVT
 PFNSTNFQTSPLVHNI I IQRGLAPNSNKVPINIQPKPIQMGQNTYVNNLGIQQHHVQGGISFASASSP
 QGSVVGPHMSVNI VNNQTRKPVTSQAVSSTGGSI VIHSPMGQPHAPQSQFLIPTSLSVSSNSVHHVQTI
 NGQLLQTQPSQLISGQVASEHVMLNRNSSNMLRTNQPYTGPMNNQNTAVHLVSGQTF AASGSPVIANHA
 SPQLVGGQMP LQQASPTVLHLSPGQSSVSQGRPGFATMPSVTSMSGPSRFPVAVSSASTAHPSLGSAVQSG
 SSGSNFTGDQLTQPNRTPVPVSVSHRLPVSSSKSTSTFNTPGTGTQQQFFCQAQKCLNQTSPISAPKT
 TDGLRQAQIPGLLSTTLPGQDSGSKVISASLGTAPQEQEVVGGSSPGHPAVQVESHSGGQKRPAAKQLTK
 GAFILQQLQRDQAHTVTPDKSHFRSLSDAVQRLLSYHVCQGSMPTEEDLRKVDNEFETVATQLLKRQAM
 LNKYRCLLLEDAMRINPSAEMVMIDRMFNQEERASLSRDKRLALVDPEGFQADFCFSFKLDKAAHETQFG
 RSDQHGSKASSSLQPPAKAQGRDRAKTGVTEPMNHDQFHLVPHI VVSAEGNISKKTECLGRALKFKDQV
 LVQYQSTSEEKASRREPLKASQCSGPGEHRKTSRSRDHGTESKLSILADSHLEMTCNNSFQDKSLRNS
 PKNEVLHTDIMKSGSEPPDLQLTKSLETTFKNILELKKAGRQPSDPTVSGSVELDFPNFSPMASQENC
 LEKFIPDHSEGVVETDSILEAAVNSILEC

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_015349

ORF Size: 3237 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: [NM_015349.2](#), [NP_056164.1](#)

RefSeq Size: 6520 bp

RefSeq ORF: 3240 bp

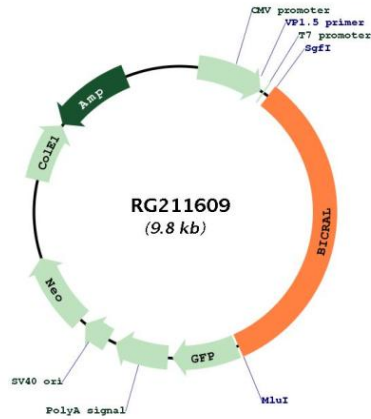
Locus ID: 23506

UniProt ID: [Q6AI39](#)

Cytogenetics: 6p21.1

Gene Summary: Component of SWI/SNF chromatin remodeling subcomplex GBAF that carries out key enzymatic activities, changing chromatin structure by altering DNA-histone contacts within a nucleosome in an ATP-dependent manner.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG211609