

Product datasheet for **RG216688**

RELCH (NM_020854) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RELCH (NM_020854) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RELCH
Synonyms:	HsT885; HsT3308; KIAA1468
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG216688 representing NM_020854 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GGCGCGCC**

ATGGCGGCGATGGCGCCTGGAGGTAGTGGCAGTGGTGGCGGCGTGAATCCATTTCTCAGTGATTCGGATG
AGGACGATGACGAGGTAGCTGCAACAGAGGAACGGCGGGCAGTACTTCGGCTGGGCGCCGGAAGTGGCCT
AGATCCTGGCTCTGCGGGCTCGCTGTCGCCACAGGATCCCGTGGCCTTAGGAAGCAGTGCGCGGCCAGGG
CTCCCTGGGAGGCGTGGCGGCTGCAGTGGCCCTGGGGGACCGGGGAGACCCCGGCCGATTATCAA
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GTTAGAGAGTGGCCGGGAGCTGCCTCGGCTGCGCGACTACTTCTCCAATCCAGGCAACTTCGAGAGGCAA
AGTGGAACCCCGCCGGGATGGGGGCGCCAGGGGTCCCTGGAGCAGCCGCGCTTGGGGGCGCTGGAGGTC
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CAAGCACTACTCTCTTTTTGTCGAATGTCAGCAGATAGTCGTTTAGGATACGAGGTGTCTCGTATTGCAG
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AAGACCAAGTTTTTGAACAAAATGGGCCAGTTGACAACATCAGGTGCCATGTTGGCCAATGTATTTCAGA
GAAAGAAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG216688 representing NM_020854
 Red=Cloning site Green=Tags(s)

MAAMAPGGSGSGGVNPFLLSDSDEDDDEVAATEERRAVLRLGAGSGLDPGSAGSLSPQDPVALGSSARPG
 LPGEASAAVALGGTGETPARLSIDAIAAQLLRDQYLLTALELHTELES GRELPRLRDYFSNPGNFERQ
 SGTPPGMGAPGVPGAAGVGGAGGREGPSTASGGGQLNRAGSISTLDSLDFARYSDDGNRETDEKVAVLEFE
 LRKAKETIQALRANLTKAAEHEVPLQERKNYKSSPEIQEPIKPLEKRALNFLVNEFLKNNYKLTSTIFS
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 QALLSFCRMSADSRLGYEVSRIADSEKSVMLMLGRCLPHIVPNVLLAKREELIPLILCTACLHPEPKERD
 QLLHILFNLIKRPDDEQRQMILTGCVAFARHVGPTRVEAELLPQCWEQINHKYPERLLVAESCGALAPY
 LPKEIRSSLVLSMLQQLMEDKADLVREAVIKSLGIIMGYIDDPKYHQGFELLSALGDPSESVSATH
 QVFLPAYAAWTTTELGNLQSHLILTLNKEIKLLREGEHGLDEHKLHMYLSALQSLIPSLFALVLQNAPFS
 SKAKLHGEVPQIEVTRFPRPMSPLQDVSTIIGSREQLAVLLQLYDYQLEQEGTTGWESLLWVYNQLLPQL
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 ATGVLTCYIQEEDRKLLVGFLVDVMTLLSLSHAPLDSLKASFVELGANPAYHELLTVLVYGVVHTSALV
 RCTAARMFELTLRGMSEALVDKRVAPALVTLSSDPEFSVRIATIPAFGTIMETVIQRELLERVKMQLASF
 LEDPQYQDQSHLHTEIIKTFGRVGPNAEPRFRDEFVIPHLHKLALVNNLQIVDSKRLDIATHLFEAYSAL
 SCCFISEDLMVNHFLPGLRCLRTDMEHLSPEHEVILSSMIKECEQKVENKTVQEPQGSMSIAASLVSEDT
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TRTRPLE – GFP Tag – V

Restriction Sites: AscI-MluI

Cloning Scheme:

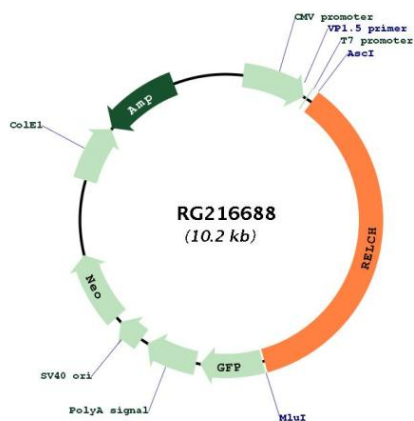


ACCN: NM_020854

ORF Size: 3648 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_020854.4
RefSeq Size:	5459 bp
RefSeq ORF:	3651 bp
Locus ID:	57614
UniProt ID:	Q9P260
Cytogenetics:	18q21.33
Domains:	HEAT
Gene Summary:	Regulates intracellular cholesterol distribution from recycling endosomes to the trans-Golgi network through interactions with RAB11 and OSBP (PubMed:29514919). Functions in membrane tethering and promotes OSBP-mediated cholesterol transfer between RAB11-bound recycling endosomes and OSBP-bound Golgi-like membranes (PubMed:29514919). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG216688