

Product datasheet for **RC216688**

RELCH (NM_020854) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RELCH (NM_020854) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RELCH
Synonyms:	HsT885; HsT3308; KIAA1468
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC216688 representing NM_020854 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
GCC

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AGGACGATGACGAGGTAGCTGCAACAGAGGAACGGCGGGCAGTACTTCGGCTGGGCGCCGGAAGTGGCCT
AGATCCTGGCTCTGCGGGCTCGCTGTCGCCACAGGATCCCGTGGCCTTAGGAAGCAGTGCGCGGCCAGGG
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CAAGCACTACTCTCTTTTTGTGCAATGTCAGCAGATAGTCGTTTAGGATACGAGGTGTCTCGTATTGCAG
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Protein Sequence: >RC216688 representing NM_020854
 Red=Cloning site Green=Tags(s)

MAAMAPGGSGSGGVNPFLLSDSDEDDDEVAATEERRAVLRLGAGSGLDPGSAGSLSPQDPVALGSSARPG
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8018_d11.zip

Restriction Sites: AscI-MluI

Cloning Scheme:

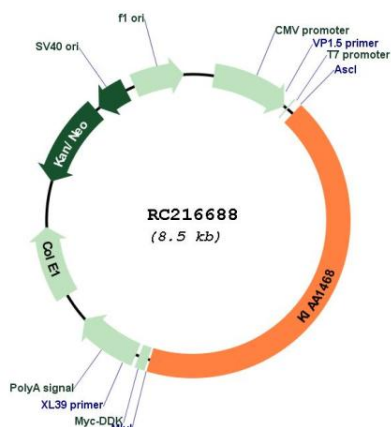


ACCN: NM_020854

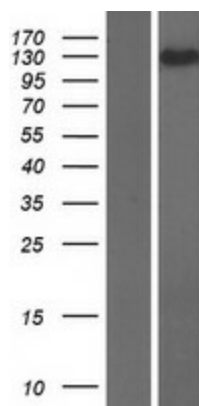
ORF Size: 3648 bp

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_020854.4
RefSeq Size:	5459 bp
RefSeq ORF:	3651 bp
Locus ID:	57614
UniProt ID:	Q9P260
Cytogenetics:	18q21.33
Domains:	HEAT
MW:	134.4 kDa
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]

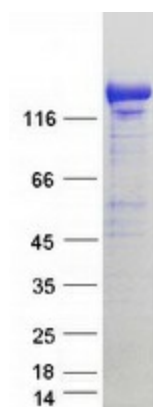
Product images:



Circular map for RC216688



Western blot validation of overexpression lysate (Cat# [LY412272]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC216688 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified RELCH protein (Cat# [TP316688]). The protein was produced from HEK293T cells transfected with RELCH cDNA clone (Cat# RC216688) using MegaTran 2.0 (Cat# [TT210002]).