

Product datasheet for **RC224386**

CWH43 (NM_025087) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	CWH43
Synonyms:	CWH43-C; PGAP2IP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC224386 representing NM_025087
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCCCTCGCTGTGGAGAGAAATCCTCTTGAGTCGCTGCTGGGATGTGTTTCTGGTCTCTACCATG
 ACCTGGGACCGATGATCTATTACTTTCTTTGCAAACTAGAACTCACTGGGCTTGAAGGTTTTAGTAT
 AGCATTTCTTTCTCCAATATTCTAACAATTACTCCTTTCTGGAATTTGGTTAACAAGAAGTGGATGCTA
 ACCCTGCTGAGGATAATCACTATTGGCAGCATAGCCTCCTCCAGGCTCCAAATGCCAACTTCGACTGA
 TGGTTCTTGGCGTTGGGGTGTCTTCTCACTGATAGTCAAGCTGTGACTTGGTGGTCAGGAAGTCATTT
 GCAAAGGTACCTCAGAATTTGGGGATTCTTTTGGACAGATTGTTCTTGTGTTCTACGCATATGGTAT
 ACTTCACTAAACCAATCTGGAGTTATCAGATGTCCAACAAAGTACTGACATTAAGTGCATAGCCA
 CACTTGATCGTATTGGCACAGATGGTACTGCAGTAAACCTGAAGAAAAGAAGACTGGTGAGGTAGCCAC
 GGGGATGGCCTCTAGACCAACTGGCTGCTGGCAGGGGCTGCTTTTGGTAGCCTTGTGTTCTCACCCAC
 TGGGTTTTTGGAGAAGTCTCTTGTTCAGATGGGCACTGAGTGGGCATCCACATCCAGGGCCAGATC
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 TCGTGGTACTGGTTTATCTGGTGGTTACAGGAACAGCTTCAGCTGCGGGGCTCCTTTACCTGCACACA
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 TGCTTCTTCAAAACAAAAACAGTTCTAAAGTGTCTTTCAGAAAGAGTAAAAATACATGAACTTTTCT
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 GGTCTAGCTAGAAAGATCAGCTCACCTGCTCAATGAAACAGGTGCAGATTTTCAACAATTTTGGAGAG
 TGATGCTTCTAAGCCCTATATGGGGAACAATGACTTAACCATGTGGCTAGGGGAAAAGTTGGGTTTCTAT
 ACAGACTTTTGGTCCAAGCACAAAGGTATCACACTTGGGGGATTATGGCTTTGTCAAGATACCCAATTGTGA
 AATCTGAGCATCACCTTCTCCGTCACAGAGGGCGAGATCGCACCAGCCATCACATTGACCGTTAACAT
 TTCGGGCAAGCTGGTGGATTTTGTGCTGACACACTTGGGAACACGAAGTACCTCGACAGGAACTG
 CAGGCTATTGCTGTTTCAAACTACTGAAAAGTGTCTAATCAAGTGATTTTCTGGGATATATCACTT
 CAGCACCTGGCTCCAGAGATTATCTACAGCTCACTGAACATGGCAATGTGAAGGATATCGACAGCACTGA
 TCATGACAGATGGTGTGAATACATTATGTATCGAGGGCTGATCAGGTTGGGTTATGCAAGATCTCCCAT
 GCTGAAGTGAAGTATCAGAAATTCAGATGGCAAAATTTAGGATCCCTGATGACCCCACTAATTATAGAG
 ACAACCAGAAAGTGGTCATAGACCAGAGAAGTTTCTGAGAAAATTCATTTTATCCAGATTTGGATC
 CTCAAAGAAGGACACAATTATGAAAACAACCATCATTTTCATATGAATACTCCCAAATACTTTTTTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC224386 representing NM_025087
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MPSLWREILLESLLGCVSWSLYHDLGPMIYYFPLQTELTGLEGFSIAFLSPIFLTITPFWKLVNKKWML
 TLLRIITIGSIASFQAPNAKLRLMVLALGVSSSLIVQAVTWWSGSHLQRYLRIWGFILGQIVLVLRIWY
 TSLNPIWSYQMSNKVILTLAIAITLDRIGTDGDCSKPEEKKTEVATGMASRPNWLLAGAAFGSLVFLTH
 WVFGEVSLVSRWAVSGHPHPGDPNPFGGAVLLCLASGLMLPSCLWFRGTGLIWWVTGTASAAGLLYLHT
 WAAAVSGCVFAIFTASMWPQTLGHLINSGTNPGKMTIAMIFYLLEIFFCAWCTAFKFVPGGVYARERSD
 VLLGTMMLIIIGLNMLFGPKKNLDLLQTKNSSKVLFRKSEKYMKLFLWLLVGVLGLGLRLHKAYERKLG
 KVAPTKEVSAAIWPFRRFYDNEGWSLERSAHLNETGADFITILESASKPYMGNNLTMWLGEKLGFY
 TDFGPSTRYHTWIMALSRYPIVKSEHLLPSPEGEIAPAITLTVNISGKLVDFVVFTHFGNHEDDLDRKL
 QAIIVSKLLKSSSNQVIFLGYITSAPGSRDYLQTEHGNVKDIDSTDHWRWCEYIMYRGLIRLGYARISH
 AELSDSEIQMAKFRIPDDPTNYRDNQKVVIDHREVSEKIHFNPRFGSYKEGHYENNNHHFHMNTPKYFL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_025087

ORF Size: 2097 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).

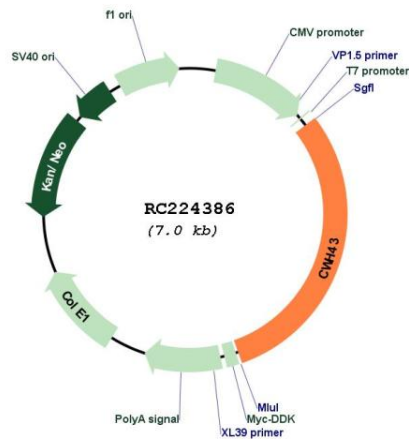
Reconstitution Method:

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.

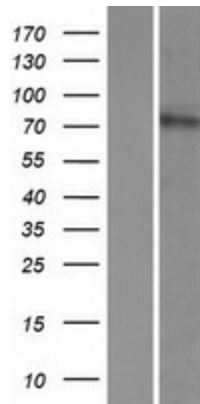
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq:	<u>NM_025087.3</u>
RefSeq Size:	2486 bp
RefSeq ORF:	2100 bp
Locus ID:	80157
UniProt ID:	<u>Q9H720</u>
Cytogenetics:	4p11
Protein Families:	Transmembrane
MW:	78.4 kDa
Gene Summary:	Involved in lipid remodeling during GPI-anchor maturation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC224386



Western blot validation of overexpression lysate (Cat# [LY410909]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224386 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).