

Product datasheet for **RC229632**

CXorf56 (NM_001170569) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	CXorf56
Synonyms:	MRX107
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC229632 representing NM_001170569
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGCCCGGGACCGGTCCCGTGTGATTGATGCTGCCAAACATGCCCATAGTTTGTAAACACAGAAG
ATGAGGAGACTATGTATCTGCGGAGACCTGAAGGCATTGAACGACAGTACAGGAAGAAATGTGCAAAGTG
TGGACTGCCGCTCTTCTACCAATCCAGCCAAAGAATGCTCCTGTACCTTCATTGTGGATGGAGCAGTA
GTCAAGTTTGGCCAGGGCTTTGGGAAAACGAACATATATACTCAGAAACAAGAGCCTCCTAAGAAGGTGA
TGATGACCAAAACGGACCAAGACATGGGCAAGTTCAGTTCTGTACCGGTCTACCATTTGATGAAGAGGA
AGAGGAGATTGAGGCTAGGGAAGTTGCTGACTCATATGCACAGAATGCCAAAGTGATTGAAAAACAGCTG
GAGCGCAAAGGCATGAGCAAGAGGCGACTGCAAGAGCTGGCTGAATTGGAAGCCAAGAAAGCGAAAATGA
AGGGGACCTTGATTGACAACCAGTTCAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC229632 representing NM_001170569
Red=Cloning site Green=Tags(s)

MRPRDRSRVIDAAKHAHKFCNTEDEETMYLRRPEGIERQYRKKCAKCGGLPLFYQSQPKNAPVTFIVDGAV
VKFGQGFGKTNIIYQKQEPKKVMMTKRTKDMGKFSSVTVSTIDEEEEIEAREVADSYAQNAKVIKQL
ERKGM SKRRLQELAELEAKKAKMKGTLIDNQFK

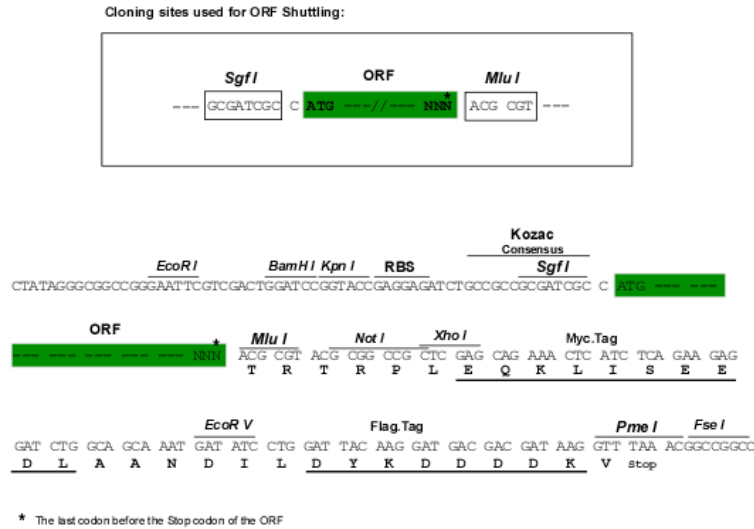
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1427_e09.zip



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001170569

ORF Size: 519 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_001170569.1](#), [NP_001164040.1](#)

RefSeq ORF: 522 bp

Locus ID: 63932

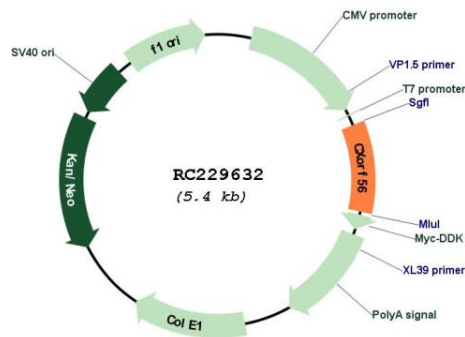
UniProt ID: [Q9H5V9](#)

Cytogenetics: Xq24

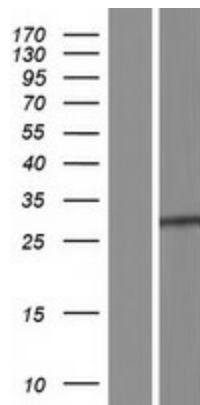
MW: 20.4 kDa

Gene Summary: While this gene is well-supported by transcript data, no functional information on its protein products is currently available. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2009]

Product images:



Circular map for RC229632



Western blot validation of overexpression lysate (Cat# [LY432632]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC229632 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).