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Product datasheet for RC206955

EFCAB6 (NM_198856) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EFCAB6 (NM_198856) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	EFCAB6
Synonyms:	dJ185D5.1; DJBP; HSCBCIP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC206955 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAATTGCTGCCGCACATTAAGAGAACTTGAAATCCAAGTGGGAGAAAAGGTTTTCAAAAACATTAAGA
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TTTCTTGACTTCAGCAAGGAGCCTAATGGAAAAATTAACGTGCATGACTTTAAGAAGGTACTGGAAGACA
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Protein Sequence:

>RC206955 protein sequence
Red=Cloning site Green=Tags(s)

MNCCRTLRELEIQVGEKVFKNIKTVMKAFELIDVNKTGLVRPQELRRVLETFCMKLRDEEYEKFSKHYNI
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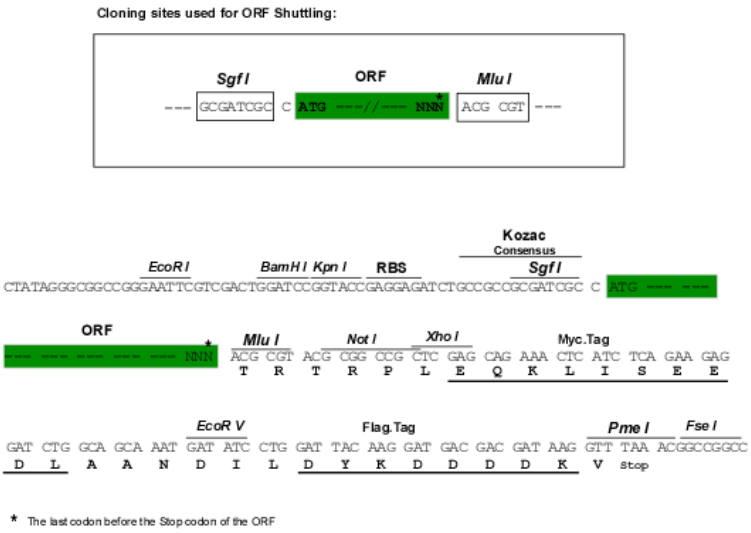
Chromatograms: https://cdn.origene.com/chromatograms/mk6678_d09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

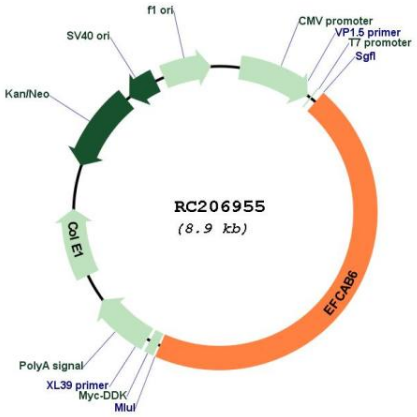


ACCN: NM_198856

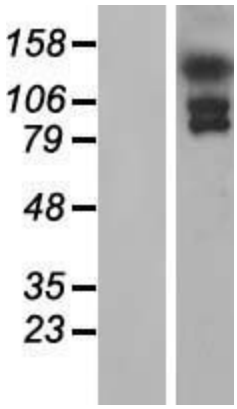
ORF Size: 4047 bp

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_198856.3
RefSeq Size:	4575 bp
RefSeq ORF:	4050 bp
Locus ID:	64800
UniProt ID:	Q5THR3
Cytogenetics:	22q13.2-q13.31
Protein Families:	Druggable Genome
MW:	155.8 kDa
Gene Summary:	This gene encodes a protein which directly binds the oncogene DJ-1 and androgen receptor to form a ternary complex in cells. This binding protein recruits histone-deacetylase complexes in order to repress transcription activity of androgen receptor. This protein may also play a role in spermatogenesis and fertilization. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]

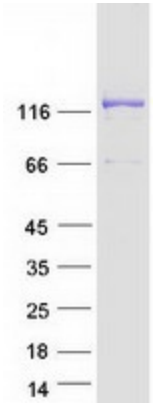
Product images:



Circular map for RC206955



Western blot validation of overexpression lysate (Cat# [LY404761]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206955 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified EFCAB6 protein (Cat# [TP306955]). The protein was produced from HEK293T cells transfected with EFCAB6 cDNA clone (Cat# RC206955) using MegaTran 2.0 (Cat# [TT210002]).