

Product datasheet for **RC208744**

C13orf24 (PIBF1) (NM_006346) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C13orf24 (PIBF1) (NM_006346) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C13orf24
Synonyms:	C13orf24; CEP90; JBTS33; PIBF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC208744 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCTCGAAAAATTTCAAAGGAGTCAAAAAAGTGAACATCTCTAGTTCTCTGGAATCTGAAGATTA
 GTTTAGAAACAACAGTTCTACGGATGATTTTCTCATCAGAAGAGCGAGAGGGCAAAGTCAGAATCAC
 CAGGCAGCTAATTGAACGAAAAGAACTACTTCATAATATTCAGTTACTAAAAATTGAGCTATCCCAGAAA
 ACTATGATGATCGACAATTTGAAAGTGGATTATCTTACAAAGATTGAAGAATTGGAGGAGAACTTAATG
 ATGCACCTCACCAGAAGCAGCTACTAACATTGAGATTAGACAACCAATTGGCTTTTCAACAGAAAGATGC
 CAGCAAATATCAAGAATTAATGAAACAAGAAATGGAAACCAATTTTGTGAGACAGAAACAAGTAAAGAG
 ACAATCTTCAGCTAAGAGAAAAAGCTGGAGATGTTTCGTGAAACCTGCGTGACTTTGAGTTGACAGAAG
 AGCAATATATTAATTAAGCTTTTCTGAAGATCAGCTTTCTATTCTGAATATGTATCTGTTGCTT
 CTATGAGCTAGTGAATCCATTAAGAAAGGAAATCTGTGAACACAAAGTAAAAAGAAATATCTTAGCAGAA
 GAATTAAGTACAAACAAAACCAACTGAAGCAGCTGACAGAGACATATGAGGAAGATCGAAAAAAGTACT
 CTGAAGTTCAAATTAGATGTCAACGTTTGGCCTTAGAATTAGCAGACACAAAACAGTTAATTCAGCAAGG
 TGACTACCGTCAAGAGAACTATGATAAAGTCAAGAGTGAACGTGATGCACCTTGAACAGGAAGTAATTGAG
 CTTAGGAGAAAACATGAAATACTTGAAGCCTCTCACATGATTCAAACAAAAGAAGCAAGTGAATTATCAA
 AAGAGGTAGTCACCTTAGAGCAAAGTACTTTACTGCAAAAAGGATAAAGAATATCTTAATCGCCAAAA
 CATGGAGCTTAGTGTTCGCTGTGCTCATGAAGAGGATCGCCTTGAAGACTTCAAGCTCAACTGGAAGAA
 AGCAAAAAGGCTAGAGAAGAGATGTATGAAAAATATGTAGCATCCAGAGACCATTATAAAACAGAATATG
 AAAATAAATCATGATGAACAGAAACAAATCAGATTGAAAACCAACCAAGAAATTGATCAACTTCGAAA
 TGCTCTAGGGAAATGTATGAACGAGAAAAACAGAAATCTCCGAGAAGCAAGGGATAATGCTGTGGCTGAA
 AAGGAACGAGCAGTGTGGCTGAAAAGGATGCTTTAGAAAAACAGATCAGCTCTTAGACAGGTACAGAG
 AACTACAATCTAGTACAGAAAGCAAAGTAAACAGAAATTTCTCCATCAAAGTAAATTAATCTTTGAAAAG
 TGAGCGTGTCAACTTCTGCAAGAGGAAACAGCAAGAAATCTCACACAGTGTCAATTGGAATGTAAAAA
 TATCAGAAAAAATTGGAGGTTTTAACCAAGAATTTTATAGTCTCCAAGCCTCTTCTGAAAAACGCATTA
 CTGAACCTCAAGCACAGAACTCAGAGCATCAAGCAAGGCTAGACATTTATGAGAACTGGAAAAAGAGCT
 TGATGAAATAAATGCAAACGCAGAAATGAAAATGAAGATGAGGCTGAAAGGTTCTTTTTCTCTAC
 GGCTATGGTGCTAATGTTCCCAACAGCCAAAAGACGACTAAAGCAAAGTGTCTCACTTGGCAAGAAGAG
 TGCTTCAATTAGAAAAACAAAACCTCGCTGATTTTAAAAGATCTGGAACATCGAAAAGGACCAAGTAACACA
 GCTTTCACAAGAGCTTGACAGAGCCAATTCGCTATTAACCAGACTCAACAGCCTTACAGGTATCTCATT
 GAATCAGTGCCTCAGAGAGATTCTAAGATTGATCACTGACGGAATCTATTGCACAACCTTGAGAAAGATG
 TCAGCAACTTAAATAAGAAAAGTCAAGCTTACTACAGACGAAGAATCAAATGGCATTAGATTTAGAACA
 ACTTCTAATCATCGTGAGGAATTGGCAGCAATGAAACAGATTCTCGTTAAGATGCATAGTAAACATTCT
 GAGAACAGCTTACTTCTCACTAAAACAGAACAAAACATGTGACAGAAAAACAGAAATCAAAGACTTTGA
 ATGTGCCTAAAGAGCATGAAGACAATATTTACACCTAAACCAACTCTTTACTAAAAAAGAAGCACC
 TGAGTGGTCTAAGAAACAAAAGATGAAGACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC208744 protein sequence
Red=Cloning site Green=Tags(s)

```
MSRKISKESKKVNISSSLESEDISLETTVPTDDISSSEEREGKVRITRQLIERKELLHNIQLLKIELSQK
TMMIDNLKVDYLTKIEELEEKLNDAHQKQLLTLRLDNQLAFQKQKASKYQELMKQEMETILLRQKQLEE
TNLQLREKAGDVRRNLRDFELTEEYIKLKAFPEDQLSIPYVSVRFYELVNPLRKEICELQVKKNILAE
ELSTNKNQLKQLTETYEDRKNYSEVQIRCQLALELADTKQLIQQGDYRQENYDKVKSERDALEQEVIE
LRRKHEILEASHMIQTKERSELKEVVTLEQTVTLLQKDKKEYLNRQNMELSVRCAHEEDRLERLQAQLEE
SKKAREEMYEKYVSRDHYKTEYENKLHDELEQIRLKTNQEIDQLRNASREMYERENRNLREARDNAVAE
KERAVMAEKDALEKHDQLLDYRELQLSTESKVTEFLHQSKLKSFESEVQQLQEETARNLTQCQLECEK
YQKKLEVLTKEFYSLQASSEKRITELQAQNSEHQARLDIYEKLEKELDEIMQTAEIENEDEAERLVFSY
GYGANVPTAKRRLKQSVHLARRVLQLEKQNSLILKDLHRKDQVTQLSQELDRANSLLNQTPPYRYLI
ESVRQRDSKIDSLTESIAQLEKDVSNLNKEKSALLQTKNQMALDLEQLLNHREELAAMKQILVKMHSKHS
ENSLLLTKTEPKHVTENQKSKTLNVPKEHEDNIFTPKPTLFTKKEAPEWSKKQKMKT
```

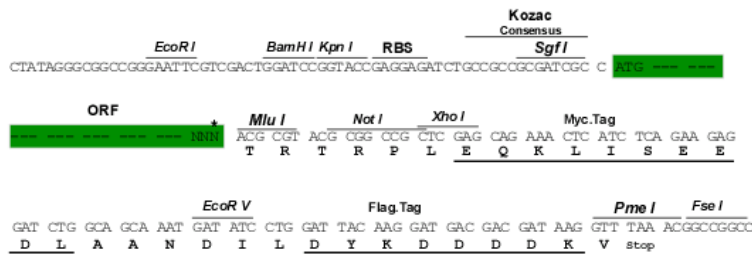
TRTRPLEQKLISEEDLANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6155_g01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_006346

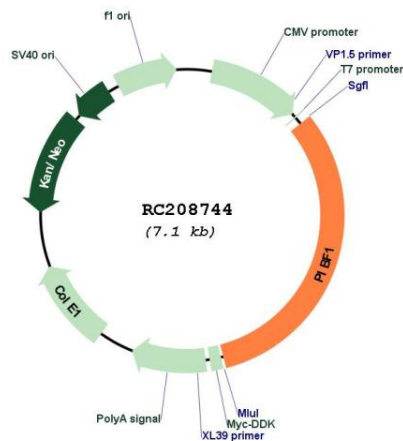
ORF Size: 2271 bp

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](#)

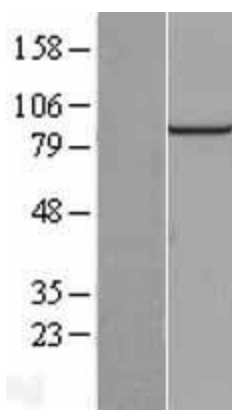
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<ol style="list-style-type: none"> 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:	<u>NM_006346.4</u>
RefSeq Size:	3114 bp
RefSeq ORF:	2274 bp
Locus ID:	10464
UniProt ID:	<u>Q8WXW3</u>
Cytogenetics:	13q21.33-q22.1
MW:	89.8 kDa
Gene Summary:	This gene encodes a protein that is induced by the steroid hormone progesterone and plays a role in the maintenance of pregnancy. The encoded protein regulates multiple facets of the immune system to promote normal pregnancy including cytokine synthesis, natural killer (NK) cell activity, and arachidonic acid metabolism. Low serum levels of this protein have been associated with spontaneous pre-term labor in humans. This protein may promote the proliferation, migration and invasion of glioma. [provided by RefSeq, Mar 2017]

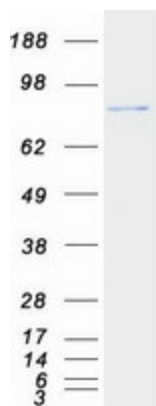
Product images:



Circular map for RC208744



Western blot validation of overexpression lysate (Cat# [LY401910]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208744 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified PIBF1 protein (Cat# [TP308744]). The protein was produced from HEK293T cells transfected with PIBF1 cDNA clone (Cat# RC208744) using MegaTran 2.0 (Cat# [TT210002]).