

## Product datasheet for **RG237281**

### FKBP6 (NM\_001281304) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FKBP6 (NM_001281304) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FKBP6
Synonyms:	FKBP36
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237281 representing NM_001281304. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGGGAAGCGCGTTAAACCAGGGAGTCTGGAAGGGGACGACGCCCCCGCCAGTCCCTGTACGAG
CGGTTAAGTCAGAGGATGCTGGACATCTCGGGGACCGGGCGTGCTGAAGGACGTCATCCGAGAAGGA
GCTGGAGACCTAGTGGCGCTGATGCTTCGGTCTAGATATTACACTGTGGGCGATGGAGCTGGGCCTT
CTGAGCATGCGGAGAGGAGAGCTGGCCAGGTTTCTGTTCAAACCGAACTACGCCTATGGAACGCTGGGC
TGCCCTCCCTTGATCCCCCAAACCACTGTCCTGTTTGAGATTGAGCTGCTTGACTTCCTGGACTGT
GCTGAGTCAGACAAGTTTGTGCTCTCAGCTGAGCAGCAAGACCAATTTCCACTTCAGAAGGTCCTG
AAAGTGGCAGCTACGGAACGGGAGTTTGCAACTACCTTTCCGCCAGAATCGTTTCTATGATGCCAAA
GTGAGATATAAAGGGCCCTATTGCTTCTGCGCCGCGATCAGCACCCCTGAAGAGCAGCACCTGGTG
GAGGCCGCAAGCTTCTGTTCTCTGAACCTGTCCTTACATACCTGAAGCTAGACCGACCCACCATA
GCCCTGTGCTATGGAGAGCAGGCTTGTATCATTGACCAAAGAATGCCAAGGCCCTTTCAGGTGTGGA
CAGGCTTGTCTTCTCCTGACTGAGTATCAAAGGCCCGGATTTTCTAGTTCGAGCCAGAAGGAGCAA
CCCTTCAATCATGACATCAATAATGAGCTGAAGAACTGGCTAGCTGTTACAGGGACTATGTGGATAAA
GAGAAAGAAATGTGCCACCGCATGTTGCGCCCTGTGGCGATGGTCTACAGCAGGAGAAAGT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG237281  
 Blue=ORF Red=Cloning site Green=Tag(s)

MGGSALNQGVLGGDDAPGQSLYERLSQRMLDISGDRGVLKDVIREGAGDLVAPDASVLDITLWGMELGL  
 LSMRRGELARFLFKPNYAYGTLGCPPLIPPNTTVLFEIELLDFLDCAESDKFCALSAEQDQFPLQKVL  
 KVAATEREFGNYLFRQNRFYDAKVRKRALLLRSSAPPEEQHLVEAAKLPVLLNLSFTYTKLDRPTI  
 ALCYGEQALIIDQKNAKALFRCGQACLLLT EYQKARDFLVRAQKEQP FNHDINNELKKLASCYRDYVVK  
 EKEMWHRMFAPCGDGSTAGES  
**TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV**  
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP  
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001281304

**ORF Size:** 891 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).

**RefSeq:** [NM\\_001281304.2](#)

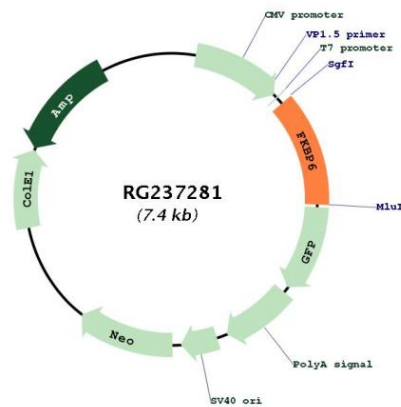
**RefSeq Size:** 1550 bp

**RefSeq ORF:** 894 bp

Locus ID: 8468  
UniProt ID: [O75344](#)  
Cytogenetics: 7q11.23  
MW: 33.6 kDa

**Gene Summary:** The protein encoded by this gene is a cis-trans peptidyl-prolyl isomerase that may function in immunoregulation and basic cellular processes involving protein folding and trafficking. This gene is located in a chromosomal region that is deleted in Williams-Beuren syndrome. Defects in this gene may cause male infertility. There are multiple pseudogenes for this gene located nearby on chromosome 7. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

## Product images:



Circular map for RG237281