

Product datasheet for **RG207712**

FKBP6 (NM_003602) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FKBP6 (NM_003602) 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:	>RG207712 representing NM_003602 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGGAAGCGGTTAAACCAGGGAGTCTGGAAGGGGACGACGCCCCGGCCAGTCCCTGTACGAGC
GGTTAAGTCAGAGGATGCTGGACATCTCGGGGACCGGGCGTGTGAAGGACGTCATCCGAGAAGGAGC
TGGAGACCTAGTGGCGCTGATGCTTCGGTGTAGTAAATACTCGGGATACCTGGAACACATGGACAGA
CCCTTCGATTCTAATTACTTTAGGAAAACCTCTCGGCTAATGAACTTGGAGAGGATATTACACTGTGGG
GCATGGAGCTGGCCTTCTGAGCATGCGGAGAGGAGAGCTGGCCAGGTTTCTGTTCAAACCGAACTACGC
CTATGGAACGCTGGGCTGCCCTCCCTTGATCCCCCAAACACCACTGTCCCTGTTTGAAGATTGAGCTGCTT
GACTTCCTGGACTGTGCTGAGTCAGACAAGTTTTGTGCTCTCTCAGCTGAGCAGCAAGACCAATTTCCAC
TTCAGAAGGTCCTGAAAGTGGCAGCTACGGAACGGGAGTTTGGCAACTACTTTTCCGCCAGAATCGTTT
CTATGATGCCAAAGTGAGATATAAAAGGGCCCTGTTGCTTCTGCGCCGGCGATCAGCACCCCTGAAGAG
CAGCACCTGGTGGAGGCCGCAAGCTTCTGTTCTCTGAACCTGTCTTACATACCTGAAGCTAGACC
GACCCACCATAGCCCTGTGCTATGGAGAGCAGGCTTTGATCATTGACCAAAGAATGCCAAGGCCCTCTT
CAGGTGTGGACAGGCTTGTCTTCTCTGACTGAGTATCAAAGGCCCGGGATTTCTAGTTCGAGCCAG
AAGGAGCAACCCTTCAATCATGACATCAATAATGAGCTGAAGAACTGGCTAGCTGTTACAGGACTATG
TGGATAAAGAGAAAGAAATGTGGCACCGCATGTTGCGCCCTGTGGCGATGGTTCTACAGCAGGAGAAAG
T

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG207712 representing NM_003602
Red=Cloning site Green=Tags(s)

MGGSALNQGVLGGDDAPGQSLYERLSQRMLDISGDRGVLKDVIREGAGDLVAPDASVLVKYSGYLEHMDR
 PFDSNYFRKTPRLMKLGEDITLWGMELGLL SMRRGELARFLFKPNYAYGTLGCPPLIPPNTTVLFEIELL
 DFLDCAESDKFCALSAEQDQFPLQKVLKVAATEREFGNYLFRQNRFYDAKVRYKRALLLRRRSAPPEE
 QHLVEAAKLPVLLNLSFTYLKLD RPTIALCYGEQALIIDQKNAKALFRCGQACL LLLTEYQKARDFLVRAQ
 KEQPFNHDIINNELKKLASCYRDYVDKEKEMWHRMFAPCGDGSTAGES

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003602

ORF Size: 981 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_003602.3](#)

RefSeq Size: 1546 bp

RefSeq ORF: 984 bp

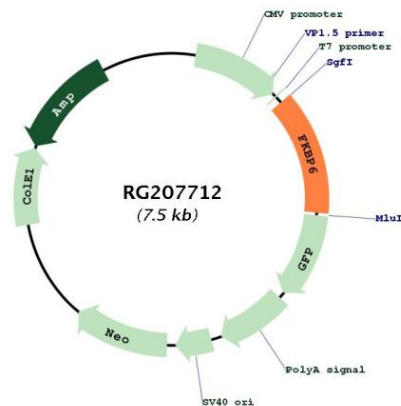
Locus ID: 8468

UniProt ID: [O75344](#)

Cytogenetics: 7q11.23

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 RG207712