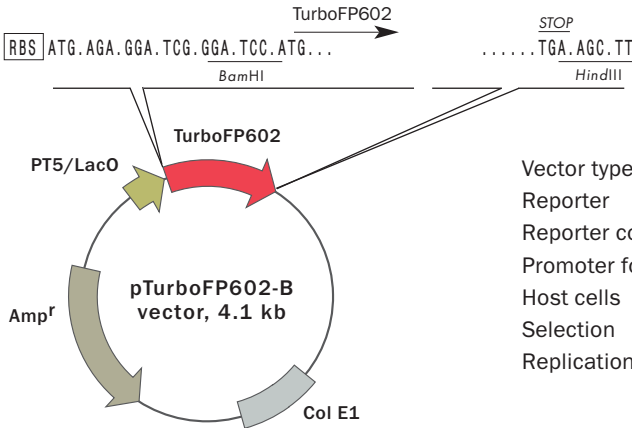


# Bacterial expression vector pTurboFP602-B

Product	Cat.#	Size
pTurboFP602-B	FP713	20 µg

Please contact your local distributor for exact prices and delivery information.



Vector type	bacterial expression vector
Reporter	TurboFP602
Reporter codon usage	mammalian
Promoter for TurboFP602	T5 promoter/lac operator
Host cells	prokaryotic
Selection	ampicillin
Replication	ColE1 ori

For vector sequence, please visit our Web site at [www.evrogen.com/support/vector-info.shtml](http://www.evrogen.com/support/vector-info.shtml)

## Use

- TurboFP602 expression in bacterial cells using T5 promoter/lac operator
- Source of the TurboFP602 coding sequence

## References

Haas, J., et al. (1996) Codon usage limitation in the expression of HIV-1 envelope glycoprotein. *Curr. Biol.* 6:315–324.

## Vector description

pTurboFP602-B is a bacterial expression vector encoding true-red fluorescent protein TurboFP602. Reporter codon usage is optimized for high expression in mammalian cells (humanized) (Haas et al., 1996).

The vector is primarily intended as a source of TurboFP602 coding sequence. Flanking restriction sites are convenient for TurboFP602 gene excision and its further insertion into other expression vectors of choice. Alternatively, TurboFP602 coding sequence can be amplified by PCR.

The vector can be also used for TurboFP602 expression in prokaryotes under the control of T5 promoter/lac operator. The vector backbone contains ColE1 origin of replication and ampicillin resistance gene for propagation and selection in *E. coli*.

**Note:** The plasmid DNA was isolated from dam<sup>+</sup>-methylated *E.coli*. Therefore some restriction sites are blocked by methylation. If you wish to digest the vector using such sites you will need to transform the vector into a dam<sup>-</sup> host and make fresh DNA.

## Location of features:

**T5 promoter/lac operator element:** 7-87

T5 transcription start: 61

**TurboFP602 coding sequence:** 133-840

**Lambda t0 transcriptional termination region:** 861-955

**rrnB T1 transcriptional termination region:** 1717-1815

**ColE1 origin of replication:** 2291

**beta-lactamase coding sequence:** 3909-3049

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## MATERIAL SAFETY DATA SHEET INFORMATION

To the best of our knowledge, these products do not require a Material Safety Data Sheet. However, all the properties of these products (and, if applicable, each of their components) have not been thoroughly investigated. Therefore, we recommend that you use gloves and eye protection, and wear a laboratory coat when working with these products.