

## Guide-it™ SNP Control Set

Catalog No.	Amount	Lot Number
632654 (Not sold separately; sold as a part of 632652 and 632653)	1 set	Specified on product label.

### Description

The Guide-it SNP Control Set is supplied as part of the Guide-it SNP Screening Kit (Cat. Nos. 632652 and 632653) and includes premixed positive and negative control oligos that can be used to confirm a positive readout on any fluorescence plate reader. The control set detects a G>T substitution in position 1285 of the *MTHFR* gene (c.1285G>T). Each premix contains control oligos encoding a G or a T at the indicated position (negative and positive controls, respectively), a corresponding displacement oligo, and a flap probe oligo all combined in Annealing Buffer (see user manual for definitions). When used with the Guide-it SNP Screening Kit, the Guide-it SNP Positive Control Mix results in a fluorescent signal while the Guide-it SNP Negative Control Mix does not generate any signal.

### Package Contents

- 300 µl Guide-it SNP Positive Control Mix
- 300 µl Guide-it SNP Negative Control Mix

### Storage Conditions

- Store at –20°C.

### Shelf Life

- 1 year from date of receipt under proper storage conditions.

### Shipping Conditions

- Dry ice (–70°C)

### Product Documents

Documents for our products are available for download at [takarabio.com/manuals](http://takarabio.com/manuals)

The following documents apply to this product:

- Guide-it SNP Screening Kit User Manual

### Quality Control Data

The Guide-it SNP Control Set was used to detect the substitution c.1285G>T in the *MTHFR* gene using the Guide-it SNP Screening Kit following the protocol described in the user manual. The resulting fluorescent signal had a Z-factor >0.6.

The ratio between the positive and the negative signals was  $\geq 3$ , and the ratio between the positive and background signals was  $\geq 6$ .

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

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#### Takara Bio USA, Inc.

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### CATALOG NO.

632654

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