

## Universal SYBR Green qPCR Master Mix

### Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage:

Store at low temperature,Keep away from direct sunlight

-20°C for 20 months

Actual storage temperature shall be subject to the COA.

### Biological Description

Description	<p>Universal SYBR Green qPCR Master Mix is a ready-to-use 2× concentrated premix formulated for real-time quantitative PCR (qPCR). It contains a hot-start DNA polymerase, SYBR Green I fluorescent dye, dNTPs, Mg<sup>2+</sup>, and an optimized ROX reference dye, making it compatible with all qPCR instruments. To perform a reaction, simply add the DNA template, primers, and nuclease-free water—streamlining the workflow and minimizing the risk of contamination.</p> <p>This Master Mix incorporates a temperature-responsive polymerase activator that precisely regulates enzyme activity in real time. The formulation also includes proprietary components that effectively suppress non-specific amplification and enhance overall reaction efficiency. As a result, it enables accurate and reproducible quantification of target genes across a broad dynamic range, ensuring high sensitivity, specificity, and reliability in qPCR applications.</p>
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