



Product Specification Sheet

Product Name	Stemgent® eGFP mRNA
Description	Stemgent eGFP mRNA encodes green fluorescent protein (GFP). This <i>in vitro</i> transcribed mRNA incorporates both pseudouridine and 5-methylcytidine modified nucleotides to minimize the cellular interferon response to single stranded RNA. Stemgent eGFP mRNA is recommended as a positive control for transfection.
Catalog Number	05-0020
Size	20 µg
Formulation	100 ng/µL in RNase-free TE buffer, pH 7.0
Storage and Stability	Store at or below -70°C. Stable for a minimum of 3 months from date of receipt when stored as directed. Wear gloves when handling this product. Use RNase-free tubes and barrier pipette tips. Thaw on ice. Keep on ice until the sample is removed. Avoid multiple freezing and thawing cycles (≤5). Aliquot to experimental quantities.
Quality Control	Proper protein expression and localization have been confirmed by immunocytochemistry.
Recommended Usage	Stemgent eGFP mRNA should be transfected using a protocol specifically optimized for the cell type used in the experiment.
Related Products	Stemfect™ RNA Transfection Kit (Cat. No. 00-0069)
Notice to Purchaser	This product is intended for research purposes only. It may not be used for (i) any human or veterinary use, including without limitation therapeutic and prophylactic use, (ii) any clinical use, including without limitation diagnostic and prognostic use, (iii) any use in delivery to and/or modification of cells that are intended for clinical, diagnostic or medicinal use, including without limitation, cell-based therapy, (iv) any commercial purposes, including without limitation the performance of contract research or provision of services to a third party and the manufacture of products for general sale. Any use of this product for any of the abovementioned purposes requires a license from the Massachusetts Institute of Technology.

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