

293 Expression MAX-1 Transient Expression Enhancer

Cat. # EXP-711

For Research Use Only

Description

293 Expression MAX-1 is a proprietary, animal origin-free formulation for the transient expression of gene in HEK293 cells that can dramatically increase volumetric productivity of target proteins. 293 Expression MAX-1 is compatible with all of existed commercial available transfection reagents and systems including Free Style MAX, Lipofection 2000, 293 fectin, Fugene HD as well as some popular transfection reagents including PEI, Calcium Phosphate and etc.

293 Expression MAX-1 is specifically formulated for use with:

Serum free adapted suspension HEK 293 transient expression

Adherent HEK 293 transient expression (both serum contained and serum free)

HEK293 based transient expression (both serum contained and serum free, or adherent and suspension culture)

Formulation:

Proprietary components in PBS buffer, pH 8.0. Sterile for cell culture use.

Storage:

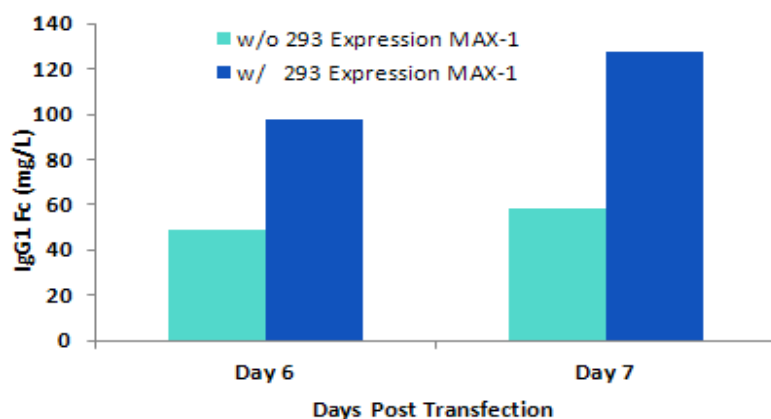
Liquid solution and stable in -20°C for 1 year

Frequent freeze-thaw cycle should be avoid

Aliquot the reagent into smaller quantities for optimal storage is recommended

Case Study:

Comparison Result for Human IgG1 Fc TGE with or without 293 Expression MAX-1 Enhancer



Serum free adapted HEK293 cell line was employed in a transient expression experiment. Compared to transfection without **293 Expression MAX-1**, the expression titer of human IgG1 Fc protein was more than tripled when the **293 Expression MAX-1** reagent was applied (40 μ L reagent per 100 μ g TGE plasmid).

The whole process uses chemically defined cell culture medium that is free of animal origin products, without adding any growth factors or hydrolysate supplements.

Usage Protocol:

Add appropriate volume of **293 Expression MAX-1** to solutions of plasmid containing your target gene before transfection reagent addition.

Mixing for 10 second by vortex.

Normally, dosage of 40uL **293 Expression MAX-1** per 100ug plasmid is recommended for transient expression, however, it can be optimized to specific to your experiment from 5uL to 50uL per 100ug plasmid to get optimal result.

Plasmid for transfection	Volume
100 μ g	*40 μ L



Add
transfection
reagent



Transfection