

# ExpressMAX™ GPCR ORF Clones

For highest levels of GPCR expression, wide spectrum and complete Expression Ready GPCR ORF Clones



(15 µg = 15 assays)

## Includes for 15 µg:

### ExpressMAX™ GPCR ORF Clones

- 15 µg ExpressMAX™ Mammalian expression vector (1mg/ml)

### Mammalian transfection kits:

- 15 µg ExpressMAX™ Mammalian expression vector (1mg/ml)
- 0.2 mL CANFAST™ Transfection Reagent



## Related Products:

- CANFAST™ Transfection Reagent (p.76)
- pOnebyOne™ Mammalian expression vectors (p.22)
- Ampicillin (p.126)

## Description:

G protein-coupled receptors (GPCRs) are used to achieve the highest levels of GPCR expression, a wide spectrum of complete numerous groups of integral membrane receptors and important candidates in all Drug screening programmes and in many research labs. Laboratories in all disciplines of science devote time and energy into developing practical methods for the discovery, isolation and characterization of these proteins.

ExpressMAX™ GPCR ORF Clones have been designed to save time and effort in the process of put on surface a heterologous GPCR of your interest. The expression vector included in each ExpressMAX™ GPCR ORF Clones has been selected using 7TMbRN Surface GPCR Expression Vector System. The 7TMbRN Surface system comprises a group of ten for GPCR membrane proteins. Each GPCR has been cloned in this vector set, which incorporates vectors with different promoters, tags and glycosylation signal (GS) sequences.

## Advantages & Features:

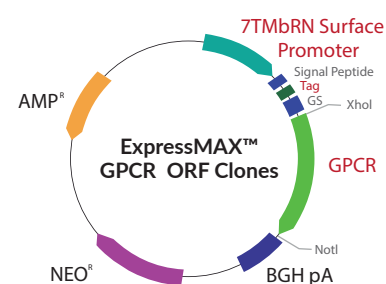
- ✓ **Native structure.**
- ✓ **Wide range:** a large collection of ExpressMAX™ GPCR ORF Clones availables.
- ✓ **Highest levels of GPCR expression:** on surface cell lines, > 50% of TAG detection by cytometry.
- ✓ **Wide spectrum:** of strong constitutive promoters.
- ✓ **Complete solution:** it contains all necessary elements for maximum receptor expression.
- ✓ **Ready-to-use solution:** avoids cloning steps, DNA ready to transfect.
- ✓ **Easy protocol and detection:** the whole procedure is simple, with minimal handling.
- ✓ **Neomycin resistance.**
- ✓ **Ampicillin bacterial selection.**

## Applications:

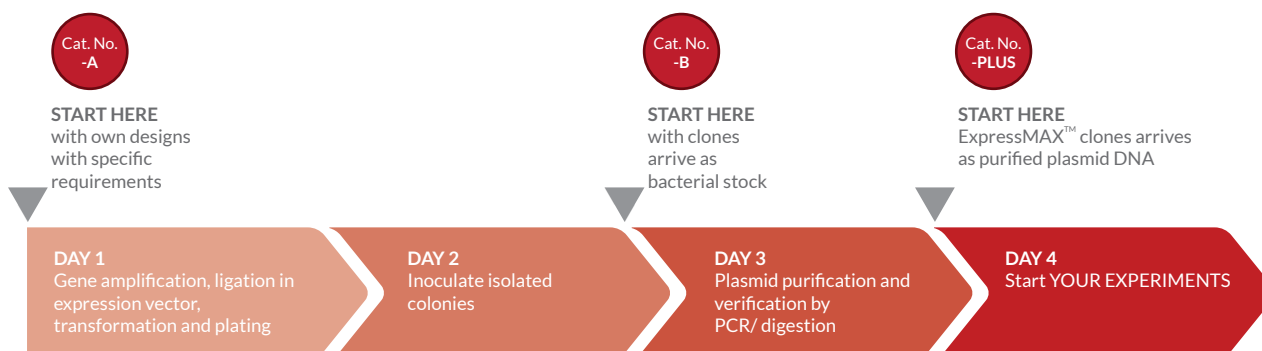
- ✓ Functional assays, as protein immobilization, cellular localization and other functional assays.
- ✓ High-throughput and large scale protein production and purification.
- ✓ Reverse transfection arrays and nucleic acid programmable protein arrays (NAPPA).

## Quality control:

- ✓ The quantity and quality of purified DNA is checked by:
  - Ratio 260/280 (1.8-2.0).
  - Agarose gel electrophoresis.
  - Digestion with restriction endonucleases.



## Choose when do you want to start working



Canvax offers you the possibility to choose your ExpressMAX™ GPCR ORF Clones and decide its advance status.