**Your Preferred cDNA ORF Clones**

**Extensive products**
- Gene bank: 11,000+ molecules, 400,000+ cDNA clones, most are ready to ship
- Multiple species: Human, Mouse, Rabbit, Rat, Cynomolgus, Rhesus, Canine, Ferret, Zebrafish, Virus
- Various tags: GFPSpark®, OFPSpark®, Flag, Myc, His, HA at C/N terminus

**Strict quality control**
- Full length sequence confirmed
- 100% accurate sequence guaranteed

**Expression validated**

Expression-Ready Vectors with high expression level. Enhanced signals are showed in the validation experiments below.

- **Membrane GPA33**
- **ER HSPA5**
- **Human PTEN**
- **Human ASC2**

**Custom molecular biology services**

- High quality
- Low risk
- Rich experience

**CRISPR/Cas9 service**
- Gene knock-out cell line construction
- Gene knock-in cell line construction
- gRNA plasmid construction
- Real time PCR primer and probe design
- Real-time quantitative PCR analysis

ISO 9001 Quality assurance

How to order?

Please just email us at order_us@sinobiological.com
Featured cDNA ORF Clone Reagents

1. GFP Spark® & OFP Spark® tagged Expression ORF Clones

Sino Biological US Inc. recommend with organelle marker expression vector:

1) GFP or OFP fluorescent colors for choice
2) Easy labeling of cell compartments and proteins
3) Perfect for study of localization and trafficking
   GFP Spark® comparison with EGFP: Brighter fluorescence
4) No antibody or chemical treatment required

Learn more about GFP Spark® & OFP Spark® tagged Expression ORF Clones: www.sinobiological.com/fluorescent-protein-homepage-elite.html

2. Lentiviral Expression ORF Clones

The third generation lentivirus vector improves transgene expression, virus titer and biosafety. Sino Biological has 120,000+ lentiviral ORF clones covering multiple research areas. Wide compatibility, transfer plasmids and other company’s packaging plasmids can be freely combined.

3. qPCR Primers

- Unique primer design
  - To avoid genomic DNA amplification, at least one primer is designed crosses the junction of exons according to the conserved region of a specific gene with all variants.
- Strict validation process
  - Confirmed in positive organizations; screened the primer with high specificity and high sensitivity.
- Uniform PCR conditions, saving time and cost.
- 100% amplification efficiency, ensuring the accuracy of quantitative RNA.

4. Control vector

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