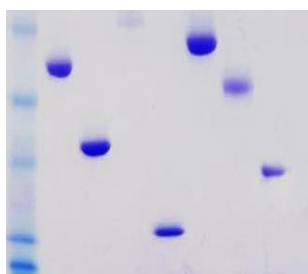


# Recombinant Proteins & Over-Expression Lysates

## A Comprehensive Source for Proteins and Lysates

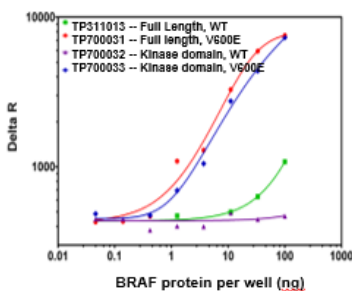


OriGene offers comprehensive, high quality recombinant custom protein services from different expression systems, in addition to the standard catalog items. Our proprietary protein expression/purification technology maximizes the purity and yield of target proteins in different systems. Our goal is to provide a flexible service program tailored to your needs every step of the way.



### Features

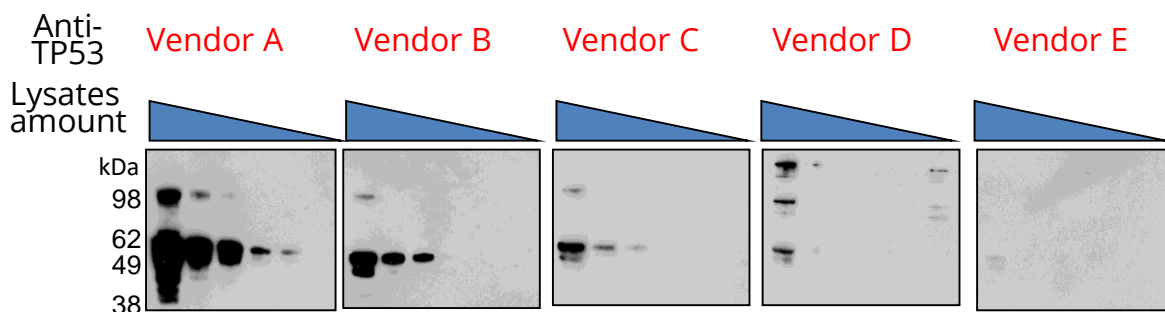
- Purified from human HEK293 cells
- Large collection of full length human proteins (>9000 available)
- Optimum preservation of protein structure and post-translational modification
- Diverse product formats
  - Purified proteins
  - Heavy labeled proteins
  - Over-expression lysates
  - Human tumor cell lysates
  - Knockout cell lysates
- Custom protein and large scale production available  
[www.origene.com/proteinservice](http://www.origene.com/proteinservice)



For more information, please visit  
[www.origene.com/proteins](http://www.origene.com/proteins)

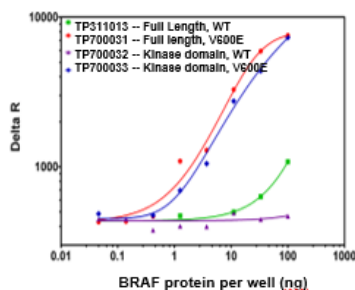
# OriGene Protein Applications & Citations

## Antibody validation using the over-expression lysates



Different amount of TP53 overexpression lysates were loaded on the SDS PAGE gel to validate TP53 antibodies from 5 different antibody suppliers. Using the overexpression lysates, you can Screen out the best TP53 antibody for your research.

## Bioactivity of purified proteins



BRAF kinase activity was measured in an HTRF® assay. Varying concentrations of BRAF were added to a reaction mix containing ATP and a biotinylated kinase substrate (HTRF substrate 2) and was incubated at 37°C for phosphorylation. HTRF detection reagents were then added; the reaction was incubated for 30 minutes at room temperature. Time-resolved fluorescent signal (Delta R) was measured on a Flexstation 3 microplate reader.

## Sample citations

Protein Name	Research paper	Journal	SKU
LOX	Blocking Surgically Induced Lysyl Oxidase Activity Reduces the Risk of Lung Metastases	Cell Rep 2017	TP313323
AGO2	An alternative microRNA-mediated post-transcriptional regulation of GADD45A by p53 in human non-small-cell lung cancer cells	Sci Rep 2017	TP328592
ALDOA	Upregulation of the ALDOA/DNA-PK/p53 pathway by dietary restriction suppresses tumor growth	Oncogene 2017	TP720179
ERBB2	Expression of tumor antigens on primary ovarian cancer cells compared to established ovarian cancer cell lines	Oncotarget 2016	TP312583
TP53	Species-specific mutual regulation of p53 and miR-138 between human, rat and mouse	Sci Rep May 2016	TP300003

For more citations, please visit

[www.origene.com/support/product-support/citations?productLine=Protein](http://www.origene.com/support/product-support/citations?productLine=Protein)