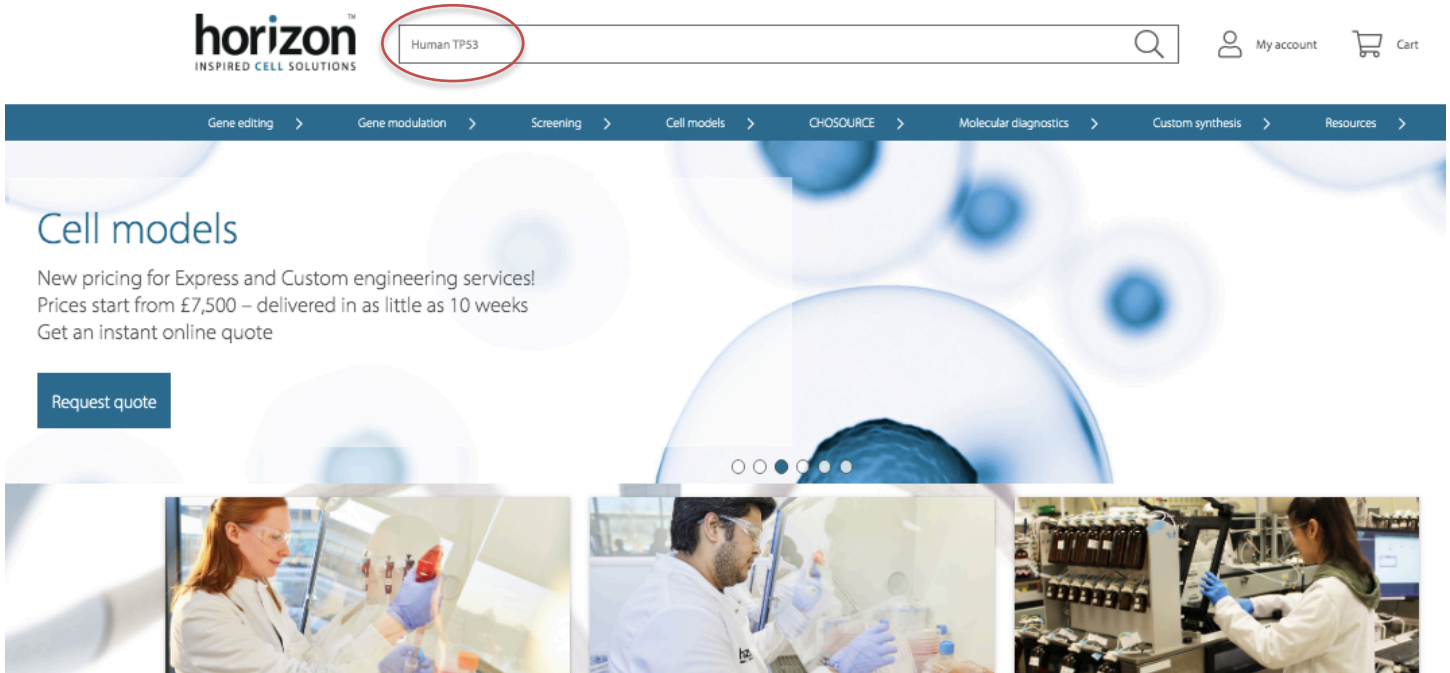




STEP 1: Go to <https://horizondiscovery.com/>

STEP 2: Use the search box to look up your gene of interest (eg: TP53)



STEP 3: Scroll down to the section that has some description of your gene of interest. Click cDNA/ORF (See the encircles section in the screenshot below)



Showing results for Human TP53 - (689)

[see how to request a quote](#)

Category

- Products (595)
- Genes (57)
- Resources (37)

Show: 10

Filters Applied

0 filters applied. Please choose below.

CLEAR ALL

Refine By

Species +

Product Category +

FEATURED ITEM

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More Info

TP53 | Human

Gene Id 7157

This gene encodes a tumor suppressor protein containing transcriptional activation, DNA binding, and oligomerization domains. The encoded protein responds to diverse cellular stresses to regulate expression of target genes, thereby inducing cell cycle arrest, apoptosis, senescence, DNA repair, or changes in metabolism. Mutations in this gene are...

Species:

Homo sapiens

Products:

siRNA
shRNA
crRNA / sgRNA
Cell Line Models
cDNA / ORF
Reference Standards

Alias:

BCC7, LFS1, P53, TRP53

STEP 4: Click on "CCSB-Broad Lentiviral Expression Human XXX" (Encircled in red in the screenshot below)

ORFeome Collaboration Human TP53 ORF

ORFeome Collaboration Clones are fully-sequenced human open reading frames (ORFs) subcloned into Gateway-entry vectors and are available with or without native stop codons.

[Go to Product Page](#)

Precision LentiORF Human TP53

Precision LentiORFs are human cDNA open reading frames (ORFs) cloned into a lentiviral expression vector, used for overexpressing human genes and proteins in mammalian cells.

[Go to Product Page](#)

CCSB Human ORFeome TP53 Clone

The CCSB Human ORFeome (hORFeome) is a Gateway-adapted collection of human open reading frames, which can be easily transferred into compatible expression vectors.

[Go to Product Page](#)

CCSB-Broad Lentiviral Expression Human TP53

Genome-scale human open reading frame library in an expression-ready, lentiviral backbone.

[Go to Product Page](#)

hORFeome v8.1 Human TP53

The Human ORFeome V8.1 Collection represents the most recent version of the Human ORFeome from the Center for Cancer Systems Biology at Dana-Farber Cancer Institute (CCSB-DFCI).

[Go to Product Page](#)

STEP 5: This page has description about the ORF clone(s) for your gene. Use the CCSB i.d. (encircles in red in the screenshot below) to order the clone through our [Order Form](#).

If you see “CCSB-Broad Lentiviral Expression Human XXX” clone, click on the link and find the clone number for the construct of your interest; clone # must be in the format of **ccsbBroad304-xxxxx**

CCSB-Broad Lentiviral Expression Collection

Genome-scale human open reading frame library in an expression-ready, lentiviral backbone.

TP53 (HUMAN)

tumor protein p53

Alias
BCC7 | LFS1 | P53 | TRP53

ENTREZGENE 7157

This gene encodes a tumor suppressor protein containing transcriptional activation, DNA binding, and oligomerization domains. The encoded protein responds to diverse cellular stresses to regulate expression of target genes, thereby inducing cell cycle arrest, apoptosis, senescence, DNA repair, or changes in metabolism. Mutations in this gene are associated with a variety of human cancers, including hereditary cancers such as Li-Fraumeni syndrome. Alternative splicing of this gene and the use of alternate promoters result in multiple transcript variants and isoforms. Additional isoforms have also been shown to result from the use of alternate translation initiation codons from identical transcript variants (PMIDs: 12032546, 20937277). [provided by RefSeq, Dec 2016].

[Details](#) [Vector](#) [Sequence](#)

Clone Id: ccsbBroad304_07088

Host Strain: DH5a

Source Clone: BC003596

If you do not see “CCSB-Broad Lentiviral Expression Human XXX”, then the ORF for your gene is not available in this library. The Functional Genomics Facility carries ONLY the CCSB-Broad Lentiviral Expression Library. If no clone for your gene of interest is present in this library, please order clones other clone from GE Dharmacon or other commercial vendor.