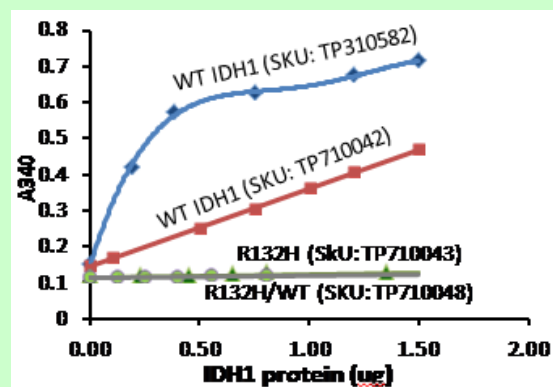


IDH1/IDH2 Mutants & Gliomas

Authentic Reagents for the Research of Brain Tumors

OriGene offers cDNA clones and recombinant proteins of disease mutants and variants for the studies of brain tumors, such as IDH1 and IDH2. The bioactivities of IDH1 wild type, mutant and heterodimer have been tested in functional assays.

Enzymatic activities were determined by monitoring NADPH formation based on the absorbance at 345nm. The reaction was carried out at 37°C for 10 minutes in the presence of isocitrate as a substrate and NADP as a cofactor.



Protein	Mutation	Affected NT#	Description	Effect	ORF clone SKU	Protein	
						SKU	Expression Host
IDH1	Wild type	N/A	N/A	N/A	RC210582	TP310582 TP710043 TP710042	HEK293 Sf9 Sf9
	R132H	c.395	G to A	missense	RC400096	TP700038	HEK293
	WT/R132H	c.395	G to A	Heterodimer	N/A	TP710048	Sf9
	R132C	c.394	C to T	missense	RC400097	TP700039 TP710044	HEK293 Sf9
	WT/R132C	c.394	C to T	Heterodimer	N/A	TP710049	Sf9
	R132L	c.395	G to T	missense	RC400098	TP700040 TP710045	HEK293 Sf9
	WT/R132L	c.395	G to T	Heterodimer	N/A	TP710050	Sf9
	R132S	c.394	C to A	missense	RC400099	TP700041 TP710046	HEK293 Sf9
	WT/R132S	c.394	C to A	Heterodimer	N/A	TP710051	Sf9
	R132G	c.394	C to G	missense	RC400100	TP700042 TP710047	HEK293 Sf9
	WT/R132G	c.394	C to G	Heterodimer	N/A	TP710052	Sf9

Human Brain Cancer Tissues

Tissues collected from U.S. medical centers under strict ethical requirements and IRB protocols

Brain Tissue Sections & Derivative Products

TissueFocus™ Individual Products

OriGene collected over 140,000 human tissue samples from U.S. medical centers using the industry's most strict ethical requirements and IRB protocols. The diagnosis of every tissue sample, whether cancer, normal or other disease, has been verified by an independent board-certified pathologist.

Product Types of Normal or Brain Cancer

- Tissue sections (FFPE or Frozen)
- Protein Lysates
- DNA
- RNA

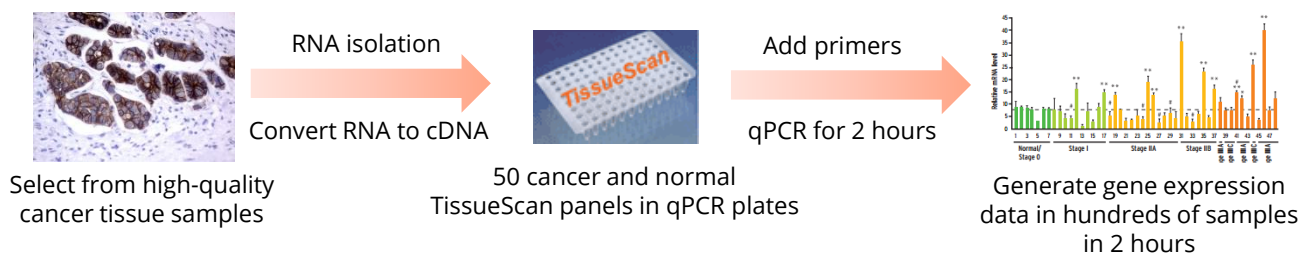
Types of Diagnosis Covered

- Normal
- Astrocytoma
- Glioblastoma
- Gliosis
- Hemangiopericytoma
- Meningioma
- Oligoastrocytoma
- Oligodendroglioma
- Vascular malformation of brain

www.origene.com/tissue-search

TissueScan™ cDNA Arrays for Brain Cancer

qPCR gene expression results of hundreds of tissues in 2 hours



Array Name	Description	Clinical Info	QC Data	SKU	Size	Price
Brain Cancer cDNA Array I	48 samples covering brain cancer four stages and normal tissues	Available	Available	HBRT102	2 plates	\$850
				HBRT302	5 plates	\$1500
				HBRT502	10 plates	\$2000
Human Brain cDNA Array	24 samples covering all major human brain normal tissues at different locations	N/A	Available	HBRT101	2 plates	\$480
				HBRT301	5 plates	\$900
				HBRT501	10 plates	\$1500

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