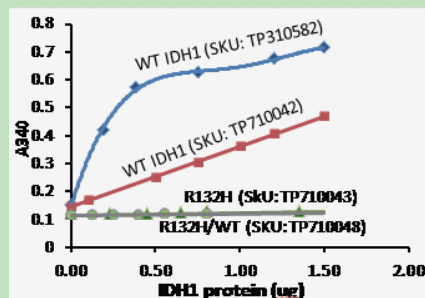


IDH1/IDH2 Mutants & Gliomas

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 37C 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	TP710040 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
IDH2	Wild type	N/A	N/A	N/A	RC201152	TP301152	HEK293
	R172G	c.514	A to G	missense	RC400101	TP700059	HEK293
	R172M	c.515	G to T	missense	RC400102	TP700058	HEK293
	R172K	c.515	G to A	missense	RC400103	TP700057	HEK293