

Total Six3/6 Cell-Based Colorimetric ELISA Kit

Catalog No :	KA3512C
Reactivity :	Human;Mouse;Rat
Applications :	ELISA
Gene Name :	SIX6
Human Gene Id :	4990
Human Swiss Prot No :	O95475
Mouse Swiss Prot No :	Q9QZ28
Storage Stability :	2-8 °C/6 months
Detection Method :	Colorimetric
Background :	<p>disease:Defects in SIX6 are the cause of microphthalmia isolated with cataract type 2 (MCOPCT2) [MIM:212550]. Microphthalmia is a clinically heterogeneous disorder of eye formation, ranging from small size of a single eye to complete bilateral absence of ocular tissues. Ocular abnormalities like opacities of the cornea and lens, scaring of the retina and choroid, cataractand other abnormalities like cataract may also be present.,function:May be involved in eye development.,similarity:Belongs to the SIX/Sine oculis homeobox family.,similarity:Contains 1 homeobox DNA-binding domain.,tissue specificity:Expressed in the developing and adult retina. Also expressed in the hypothalamic and the pituitary regions.,</p>
Function :	<p>regulation of transcription, DNA-dependent, sensory perception, visual perception, regulation of transcription,neurological system process, cognition, sensory perception of light stimulus, regulation of RNA metabolic process,</p>
Subcellular Location :	Nucleus .
Expression :	Expressed in the developing and adult retina. Also expressed in the hypothalamic and the pituitary regions.

Products Images