

Total GALK1 Cell-Based Colorimetric ELISA Kit

Catalog No :	KA3625C
Reactivity :	Human;Mouse;Rat
Applications :	ELISA
Gene Name :	GALK1
Human Gene Id :	2584
Human Swiss Prot No :	P51570
Mouse Swiss Prot No :	Q9R0N0
Storage Stability :	2-8 °C/6 months
Detection Method :	Colorimetric
Background :	<p>catalytic activity:ATP + D-galactose = ADP + alpha-D-galactose 1-phosphate.,disease:Defects in GALK1 are the cause of galactosemia II [MIM:230200]. It is an autosomal recessive deficiency characterized by congenital cataracts during infancy and presenile cataracts in the adult population. The cataracts are secondary to accumulation of galactitol in the lenses.,function:Major enzyme for galactose metabolism.,pathway:Carbohydrate metabolism; galactose metabolism.,similarity:Belongs to the GHMP kinase family.,similarity:Belongs to the GHMP kinase family. GalK subfamily.,</p>
Function :	<p>monosaccharide metabolic process, galactose metabolic process, hexitol metabolic process, phosphorus metabolic process, phosphate metabolic process, phosphorylation, hexose metabolic process, alditol metabolic process,galactitol metabolic process, polyol metabolic process, carbohydrate phosphorylation,</p>

Products Images