PYGL(Texas Red)/CEN14q(FITC) FISH Probe

Catalog # FA0630 Size 200 uL

Specification

Product Description	Made to order FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization Technique. (Technology).
Reactivity	Human
Notice	We **strongly recommend** the customer to use FFPE FISH PreTreatment Kit 1 (Catalog #: KA2375 or KA2691) for the pretreatment of Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections.
Supplied Product	DAPI Counterstain (1500 ng/mL) 250 uL
Storage Instruction	Store at 4°C in the dark.

Applications

- Fluorescent In Situ Hybridization (Cell)

  Protocol Download

Gene Info — PYGL

Entrez GeneID	5836
Gene Name	PYGL
Gene Alias	GSD6
Gene Description	phosphorylase, glycogen, liver
Omim ID	232700
Gene Ontology	Hyperlink

Gene Summary	This gene encodes a homodimeric protein that catalyses the cleavage of alpha-1,4-glucosidic bonds to release glucose-1-phosphate from liver glycogen stores. This protein switches from inactive phosphorylase B to active phosphorylase A by phosphorylation of serine residue 15. Activity of this enzyme is further regulated by multiple allosteric effectors and hormonal controls. Humans have three glycogen phosphorylase isozymes that are primarily expressed in liver, brain and muscle, respectively. The liver isozyme serves the glycemic demands of the body in general while the brain and muscle isozymes supply just those tissues. In glycogen storage disease type VI, or Hers disease, mutations in liver glycogen phosphorylase inhibit the conversion of glycogen to glucose and results in moderate hypoglycemia, mild ketosis, growth retardation and hepatomegaly. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq
Other Designations	Hers disease|glycogen phosphorylase, liver|glycogen storage disease type VI|phosphorylase, glycogen; liver (Hers disease, glycogen storage disease type VI)

Pathway

- Insulin signaling pathway
- Starch and sucrose metabolism

Disease

- Diabetes Mellitus
- Hepatomegaly
- Tobacco Use Disorder