

## ARG82029 Glycolate Oxidase Assay Kit

Package: 96 wells  
Store at: 4°C

### Summary

Product Description	ARG82029 Glycolate Oxidase Assay Kit is a detection kit for the quantification of Glycolate Oxidase Activity in tissue extracts, cell lysate and cell culture supernatants.
Tested Reactivity	All
Tested Application	FuncSt
Target Name	Glycolate Oxidase
Conjugation Note	Read at 500 nm.
Sensitivity	0.05 mmol/L
Detection Range	0.05 - 5 mmol/L
Sample Type	Tissue extracts, cell lysate and cell culture supernatants.
Sample Volume	20 µl
Alternate Names	EC 1.1.3.15; Glycolate oxidase; HAOX1; GOX; GOX1; Hydroxyacid oxidase 1

### Application Instructions

Assay Time	15 min
------------	--------

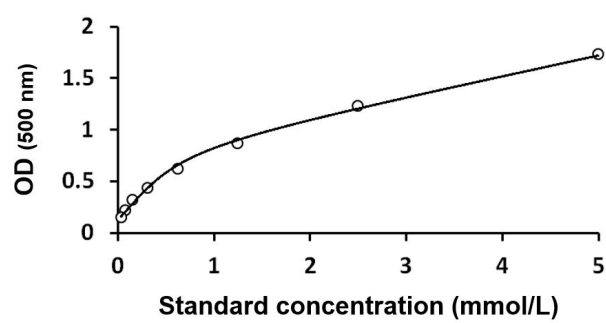
### Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	HAO1
Gene Full Name	hydroxyacid oxidase (glycolate oxidase) 1
Background	This gene is one of three related genes that have 2-hydroxyacid oxidase activity yet differ in encoded protein amino acid sequence, tissue expression and substrate preference. Subcellular location of the encoded protein is the peroxisome. Specifically, this gene is expressed primarily in liver and pancreas and the encoded protein is most active on glycolate, a two-carbon substrate. The protein is also active on 2-hydroxy fatty acids. The transcript detected at high levels in pancreas may represent an alternatively spliced form or the use of a multiple near-consensus upstream polyadenylation site. [provided by RefSeq, Jul 2008]
Function	Has 2-hydroxyacid oxidase activity. Most active on the 2-carbon substrate glycolate, but is also active on 2-hydroxy fatty acids, with high activity towards 2-hydroxy palmitate and 2-hydroxy octanoate. [UniProt]

Images



ARG82029 Glycolate Oxidase Assay Kit typical data demonstration image

ARG82029 Glycolate Oxidase Assay Kit results of a typical data with optical density reading at 500 nm.