

ARG82157 alpha-L-fucosidase Activity Assay Kit (Colorimetric)

Package: 100 tests

Store at: -20°C

Summary

Product Description	ARG82157 alpha-L-fucosidase Activity Assay Kit (Colorimetric) can be used to measure alpha-L-fucosidase activity in serum, plasma, tissue and cell lysate.
Tested Reactivity	Hu, Ms, Rat, All
Tested Application	FuncSt
Target Name	alpha-L-fucosidase
Conjugation Note	Read at 405 nm
Sensitivity	1 U/L
Detection Range	1 - 100 U/L
Sample Type	serum, plasma, tissue and cell lysate
Sample Volume	10 µl
Alternate Names	Alpha-L-fucosidase 1; Tissue alpha-L-fucosidase; Alpha-L-fucoside fucosylhydrolase 1; FUCA; EC 3.2.1.51; Alpha-L-fucosidase I

Application Instructions

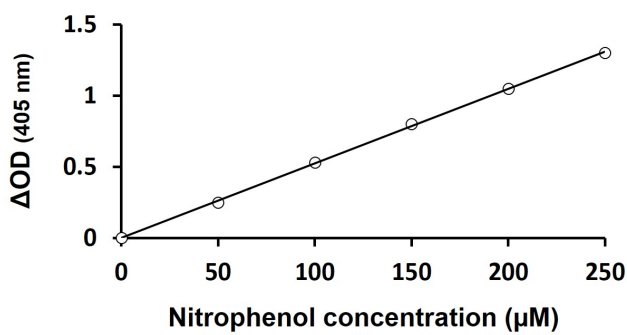
Application Note	Please note that this kit does not include a microplate.
Assay Time	20 min

Properties

Form	Liquid
Storage instruction	This kit is shipped with blue ice. Store all components at -20°C upon receiving. 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	FUCA1
Gene Full Name	fucosidase, alpha-L- 1, tissue
Background	The protein encoded by this gene is a lysosomal enzyme involved in the degradation of fucose-containing glycoproteins and glycolipids. Mutations in this gene are associated with fucosidosis (FUCA1D), which is an autosomal recessive lysosomal storage disease. A pseudogene of this locus is present on chr 2.[provided by RefSeq, Oct 2009]
Function	Alpha-L-fucosidase is responsible for hydrolyzing the alpha-1,6-linked fucose joined to the reducing-end N-acetylglucosamine of the carbohydrate moieties of glycoproteins. [UniProt]
Cellular Localization	Lysosome. [UniProt]



ARG82157 alpha-L-fucosidase Activity Assay Kit (Colorimetric) typical data demonstration image

ARG82157 alpha-L-fucosidase Activity Assay Kit (Colorimetric) results of a typical data with optical density reading at 405 nm.