

Tissue Alpha-L-Fucosidase (FUCA1)

Product Information

Cat#	DIA-885
Descriptions	Tissue Alpha-L-Fucosidase (FUCA1) is a lysosomal glycosidase that specifically hydrolyzes α -L-fucose residues from various glycoconjugates, participates in glycoprotein and glycolipid catabolism, and its deficiency causes fucosidosis, a lysosomal storage disorder.
Applications	Tissue Alpha-L-Fucosidase (FUCA1) is used for fucosidosis related detection kits and lysosomal glycoconjugate metabolism assay reagent development.
CAS No.	32-1-5150
Enzyme Commission Number	EC 3.2.1.51
Enzyme Source	Trichoplusia ni, High Five (baculovirus)-derived human Tissue alpha-L-Fucosidase/FUCA1 protein.
Reaction	an alpha-L-fucoside + H ₂ O = an alcohol + L-fucose
Activity Definition	Measured by its ability to cleave a fluorogenic substrate 4-methylumbelliferyl-alpha -L-fucopyranoside.