



Recombinant Mouse Tissue Alpha-L-Fucosidase [His] (DAG-WT610)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	A DNA sequence encoding the mouse tissue alpha-L-fucosidase (a.a 18-452) was expressed with 6xHis-SUMO tag at the N-terminus.
Species	Mouse
Purity	> 90% as determined by SDS-PAGE
Conjugate	His
Applications	N/A
Molecular Weight	66.6 kDa
Format	Liquid or Lyophilized powder
Size	1 mg
Buffer	Tris/PBS-based buffer
Preservative	None
Storage	Store at -20°C to -80°C

BACKGROUND

Introduction	In enzymology, an alpha-L-fucosidase (EC 3.2.1.51) is an enzyme that catalyzes the chemical reaction: an alpha-L-fucoside + H ₂ O → L-fucose + an alcohol. Thus, the two substrates of this enzyme are alpha-L-fucoside and H ₂ O, whereas its two products are L-fucose and alcohol. This enzyme belongs to the family of hydrolases, specifically those glycosidases that hydrolyse
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O- and S-glycosyl compounds. The systematic name of this enzyme class is alpha-L-fucoside fucohydrolase. This enzyme is also called alpha-fucosidase. This enzyme participates in n-glycan degradation and glycan structures-degradation. Deficiency of this enzyme is called Fucosidosis.

Keywords	AFU; alpha-L-fucosidase; FuCA1; FUCA
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