



1,2- α -L-FUCOSIDASE (microbial) (Lot 101101a)

Recombinant

E-FUCM

09/15

(EC 3.2.1.63) 2- α -L-fucopyranosyl- β -D-galactoside fucohydrolase
CAZy: GH Family 95

PROPERTIES

1. ELECTROPHORETIC PURITY

- Single band on SDS-gel electrophoresis (MW ~ 111,500)
- Single major band on isoelectric focusing (pI ~ 5.3)

2. SPECIFIC ACTIVITY

170 U/mg protein (on 2'-fucosyllactose) at pH 6.5 and 37°C.

One Unit of α -1,2-L-fucosidase activity is defined as the amount of enzyme required to release one μ mol of α -L-fucose per minute from 2'-fucosyllactose (2 mM) in sodium phosphate buffer (100 mM) at pH 6.5.

The amount of L-fucose released was determined using the Megazyme L-Fucose Assay Kit (**Cat code K-FUCOSE**).

3. SPECIFICITY:

Hydrolysis of terminal non-reducing α -1,2-linked L-fucose residues from glycoproteins and oligosaccharides.

The enzyme does not hydrolyse pNP- α -L-fucoside.

4. PHYSICOCHEMICAL PROPERTIES:

Recommended conditions of use are at pH 6.5 and 25 - 37°C.

5. STORAGE CONDITIONS

The enzyme is supplied in 20 mM Tris.HCl pH 7.5, 50 mM NaCl, 0.1 mM EDTA plus 0.02% (w/v) sodium azide and should be stored at 4°C.